CSS Line Module Processing Model

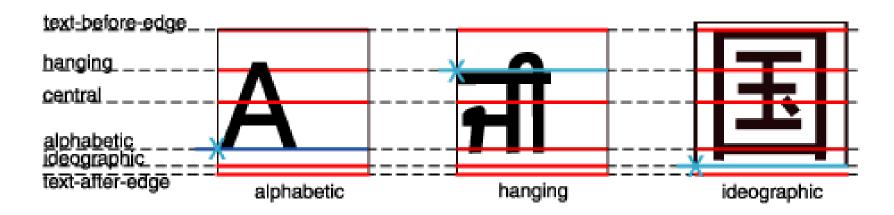
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Basic Processing Model

- 1. Text processing (i.e., line breaking and justification).
- 2. For each line constructed in step 1., the components of the line are given their half-leading and are aligned, vertically, with respect to its neighbors
- 3. Having aligned all the components, compute the vertical extent of the line. This vertical extent determines the top and bottom of the line box (and Text Processing determined its horizontal extent)
- 4. If alignment to a line grid is not specified, then the top of the current line box is aligned to the bottom of the previous line box if there is one and, otherwise, at the top of the block box in which the line box occurs.
- 5. If alignment to a named line grid is specified, then a relevant baseline in the current line box is aligned with the relevant baseline in the next line alignment table in the line grid.
- 6. If the line, thus position has any component which collides with a float, then, shorten the line to avoid the collision and repeat above steps.

Baseline Tables

 Based on the "dominant baseline" a scaled table of baselines is created for each element



- Different baselines may have different tables
- Not all baselines come from the font

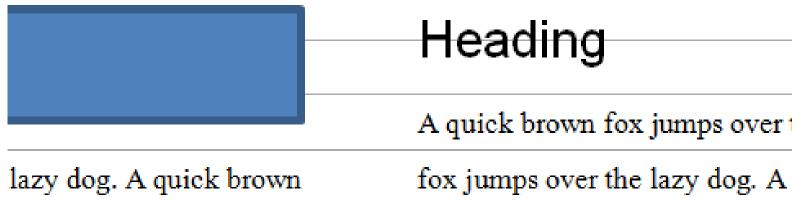
Topics of Concern – Line Box

- Determining the position of the "top" and "bottom" baselines
- Determining where the dominant baseline is within the line box
- Can half-leading be "turned-off" at the top of a container?

Line Grids

Specify an alignment grid for a given container

lazy dog. A quick brown	the lazy dog. A quick brown for
ck brown fox jumps over	quick brown fox jumps over the
mps over the lazy dog.	



Topics of Concern: Line Grid

- The line grid is based on the font, font-size and line-height used when It is defined
- Is the position of the (then) dominant baseline sufficient or is a full baseline table per line needed?
- What control over the alignment of blocks of text is needed: top, bottom, center or TeX-like?
- How is the line grid offset from element in which it is defined?

Proposed Plan

- Update the current draft to current template, dropping all out of scope material
- Re-do the introduction to describe the processing model
- Implement the resolution moving the Line Grid description into this spec
- Discuss at Hamburg F2F