The Darken Filter

The first filter we'll write is "darken". Here's the algorithm:

For every byte
  if it is greater than 64 then
    subtract 64 from it
    rewrite the byte

Here's what the processing code looks like:

```
while (beg != end)
{
    if (*beg > 64) {
        *beg = *beg - 64;
    }
    beg++;
}
```

In the **Repl**, you can click on the two images to see the effect of applying the filter: