

Converting Colors

CIE LCh(77, 1.104, 324.263)

Have a look what the booklet for
CIELCh(77, 1.104, 324.263) contains.

CIELCh(77, 0.663, 324.095)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(77, 0.663, 324.095)

Conversions

Conversions Part 1

Format	Color
Hex	BFBEBF
RGB	191, 190, 191
RGB Percent	75%, 75%, 75%
CMY	0.2518, 0.2557, 0.2518
CMYK	0.00, 0.01, 0.00, 0.25
HSL	300°, 1%, 75%
HSV	300°, 1%, 75%
XYZ	49.1765, 51.5317, 56.5185
YIQ	190.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

Format	Color
RYB	191, 190, 191
Decimal	12566207
CIELab	77.00, 0.54, -0.39
CIELCh	77, 0.663, 324.095
Yxy	51.5317, 0.3128, 0.3278
Android (android.graphics.Color)	4290756287 (0xFFBFBEBF)
YUV	190.4130, 0.2894, 0.5148
Hunter-Lab	71.7856, -3.3440, 3.5695

Details

The CIELCh color $77, 0.663, 324.095$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 0.644, 144.798$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 0.634, 323.988$, and $57, 0.701, 324.201$ is the 20% darker color. If you saturate the color by 10%, you get $72, 13.250, 324.993$, and if you desaturate by 10%, it is $82, 11.703, 143.957$.

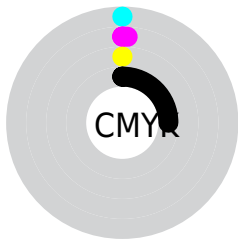
Distribution



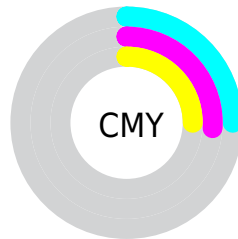
- Red (75%)
- Green (75%)
- Blue (75%)



- Red (75%)
- Yellow (75%)
- Blue (75%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (25%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 0.663, 324.095 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 77, 0.663, 324.095 by changing the saturation by 10% instead.

■ 77, 0.663, 324.095

■ 77, 0.663, 324.095

100, 0.663,
324.095

■ 67, 0.663, 324.095

■ 97, 0.663, 324.095

■ 57, 0.663, 324.095

■ 47, 0.663, 324.095

■ 37, 0.663, 324.095

■ 27, 0.663, 324.095

■ 17, 0.663, 324.095

■ 7, 0.663, 324.095

■ 0, 0.663, 324.095

■ 77, 0.663, 324.095

■ 77, 0.663, 324.095

72, 13.250,
324.993

82, 11.703,
143.957

67, 25.930,
325.544

87, 23.760,
143.430

63, 38.499,
326.078

92, 35.467,
142.931

59, 50.667,
326.583

94, 40.255,
142.730

55, 62.055,
327.044

94, 40.255,
142.730

52, 72.205,
327.445

94, 40.254,
142.729

49, 80.636,
327.770

94, 40.254,
142.729

47, 86.941,
328.008

94, 40.254,
142.728

46, 90.914,

94, 40.253,

328.156

142.727

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77, 0.663, 324.095



77, 0.644, 144.798

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 0.663, 324.095



77, 0.663, 14.095



77, 0.663, 144.095



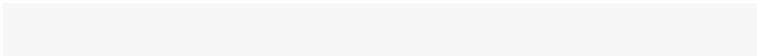
77, 0.663, 194.095

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77, 0.661, 324.092



97, 0.011, 296.813



77, 0.535, 289.688



52, 0.007, 296.813



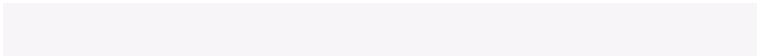
99, 0.012, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 0.661, 324.092



97, 1.553, 324.300



77, 0.469, 341.984



40, 0.707, 324.279



37, 80.849, 328.229



3, 21.489, 325.457

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77, 0.369, 17.991



97, 0.873, 18.720



77, 0.456, 163.569



40, 0.397, 18.651



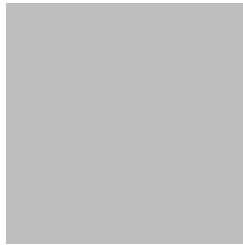
32, 72.800, 39.661



3, 12.251, 19.400

Previews

White Background



This preview shows how the CIELCh color 77, 0.663, 324.095 looks on a white background.

Color Contrast Check

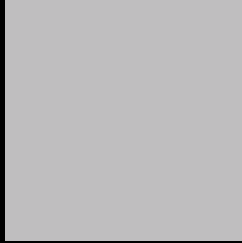
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 0.663, 324.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

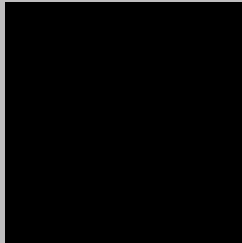
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

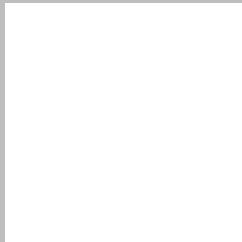
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 0.663, 324.095

Background



This preview shows how black text looks on a background with the CIELCh color 77, 0.663, 324.095.

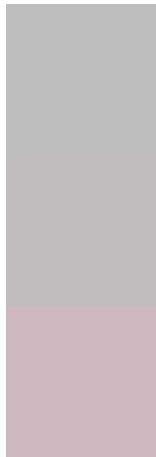


This preview shows how white text looks on a background with the CIELCh color 77, 0.663, 324.095.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


77, 0.663, 324.095

Protanopia

77, 1.584, 359.402

Deuteranopia

77, 9.613, 353.733



Tritanopia
77, 8.290, 303.449

Trichromacy



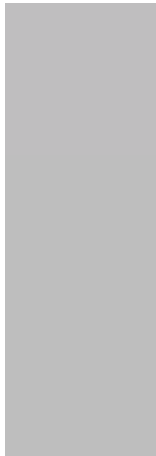
Original Color
77, 0.663, 324.095

Protanomaly
77, 1.242, 353.469

Deuteranomaly
77, 6.458, 350.014

Tritanomaly
77, 5.501, 302.081

Monochromacy



Original Color
77, 0.663, 324.095

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 0.663, 324.095 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(191, 190, 191)` looks like.

```
.text, #text, p{  
    color:rgb(191, 190, 191)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(191, 190, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 190, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 0.663, 324.095 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 190, 191) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(191, 190, 191) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(191, 190, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 190, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 190, 191);  
box-shadow:4px 4px 4px 4px rgb(191, 190,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 0.663, 324.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 190, 191) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(191,  
190, 191) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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