

Converting Colors

CIELCh(75, 0.638, 19.292)

Have a look what the booklet for
CIELCh(75, 0.638, 19.292) contains.

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Color

CIELCh(75, 0.745, 18.770)

Conversions

Conversions Part 1

Format	Color
Hex	BAB8B8
RGB	186, 184, 184
RGB Percent	73%, 72%, 72%
CMY	0.2699, 0.2778, 0.2778
CMYK	0.00, 0.01, 0.01, 0.27
HSL	0°, 1%, 73%
HSV	0°, 1%, 73%
XYZ	46.1349, 48.2781, 52.3261
YIQ	184.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

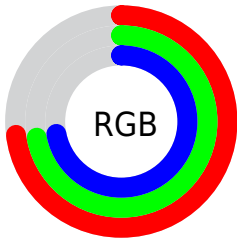
Format	Color
R _Y B	186, 184, 184
Decimal	12236984
CIE Lab	75.00, 0.71, 0.24
CIE LCh	75, 0.745, 18.770
Yxy	48.2781, 0.3144, 0.3290
Android (android.graphics.Color)	4290427064 (0xFFBAB8B8)
YUV	184.5980, -0.2948, 1.2296
Hunter-Lab	69.4824, -3.0740, 3.9874

Details

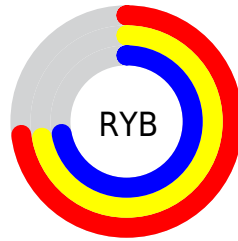
The CIELCh color $75, 0.745, 18.770$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $75, 0.737, 200.191$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 0.708, 18.559$, and $55, 0.793, 18.979$ is the 20% darker color. If you saturate the color by 10%, you get $70, 7.957, 20.180$, and if you desaturate by 10%, it is $80, 5.929, 199.191$.

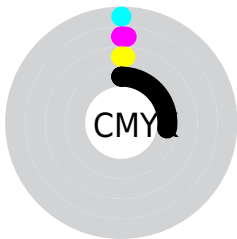
Distribution



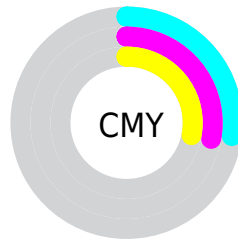
- Red (73%)
- Green (72%)
- Blue (72%)



- Red (73%)
- Yellow (72%)
- Blue (72%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (27%)



- Cyan (27%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 0.745, 18.770 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 75, 0.745, 18.770 by changing the saturation by 10% instead.

■ 75, 0.745, 18.770

■ 75, 0.745, 18.770

100, 0.745, 18.770

■ 65, 0.745, 18.770

■ 95, 0.745, 18.770

■ 55, 0.745, 18.770

■ 45, 0.745, 18.770

■ 35, 0.745, 18.770

■ 25, 0.745, 18.770

■ 15, 0.745, 18.770

■ 5, 0.745, 18.770

■ 0, 0.745, 18.770

■ 75, 0.745, 18.770

■ 75, 0.745, 18.770

70, 7.957, 20.180

80, 5.929, 199.191

65, 15.744, 21.039

86, 12.109,
198.747

60, 24.107, 22.124

91, 17.848,
198.415

55, 32.997, 23.533

50, 42.295, 25.368

96, 22.220,
198.048

47, 51.789, 27.737

43, 61.178, 30.700

41, 70.028, 34.149

39, 77.514, 37.545

Harmonies

Complementary

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



75, 0.745, 18.770



75, 0.737, 200.191

Rectangle

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



75, 0.745, 18.770



75, 0.745, 68.770



75, 0.745, 198.770



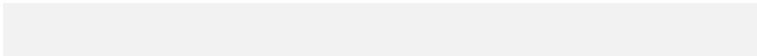
75, 0.745, 248.770

Sweetspot

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



75, 0.744, 18.901



96, 0.011, 296.813



75, 1.325, 324.316



51, 0.007, 296.813



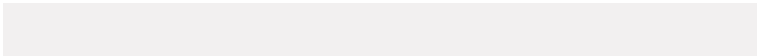
98, 0.011, 296.813

Same Dimension

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



75, 0.744, 18.901



95, 0.857, 18.857



75, 0.644, 74.751



40, 0.396, 18.789



32, 72.781, 39.687



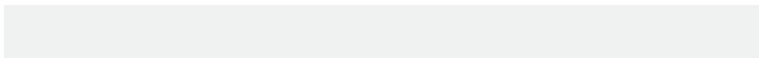
3, 12.238, 19.497

Inverse Universe

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



75, 0.737, 200.191



95, 0.849, 200.235



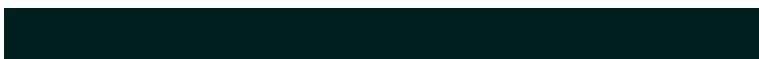
75, 0.656, 256.077



40, 0.393, 200.303



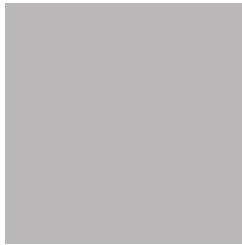
59, 34.980, 196.630



9, 11.638, 196.933

Previews

White Background



This preview shows how the CIELCh color 75, 0.745, 18.770 looks on a white background.

Color Contrast Check

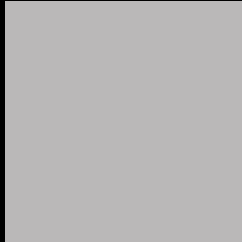
Large Text (above 18pt) WCAG AA × Fail

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 75, 0.745, 18.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

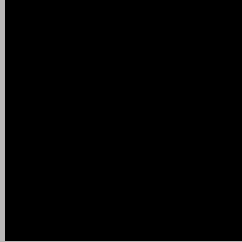
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

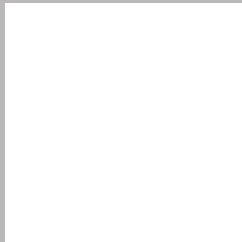
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 0.745, 18.770

Background



This preview shows how black text looks on a background with the CIELCh color 75, 0.745, 18.770.

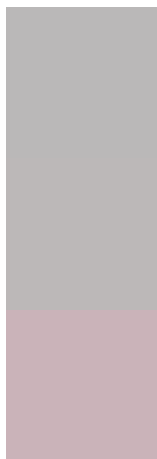


This preview shows how white text looks on a background with the CIELCh color 75, 0.745, 18.770.

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


75, 0.745, 18.770

Protanopia

75, 1.491, 19.179

Deuteranopia

75, 9.257, 359.774



Tritanopia
75, 8.429, 305.870

Trichromacy



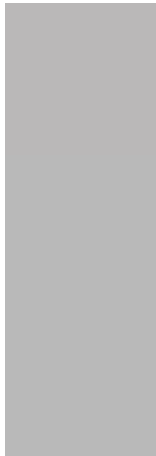
Original Color
75, 0.745, 18.770

Protanomaly
75, 1.117, 19.033

Deuteranomaly
75, 6.036, 358.950

Tritanomaly
75, 5.102, 307.301

Monochromacy



Original Color
75, 0.745, 18.770

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 0.745, 18.770 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(186, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(186, 184, 184)  
}
```

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(186, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 184, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 0.745, 18.770 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(186, 184, 184) }
```

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

```
.border{ border-color:rgb(186, 184, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 184, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 184, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 184, 184);  
box-shadow:4px 4px 4px 4px rgb(186, 184,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 0.745, 18.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 184, 184) }
```

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

```
.background{ background-color: rgb(186,  
184, 184) }
```

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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