

Converting Colors

CIELCh(50, 0.740, 20.129)

Have a look what the booklet for
CIELCh(50, 0.740, 20.129) contains.

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Color

CIELCh(50, 0.701, 74.868)

Conversions

Conversions Part 1

Format	Color
Hex	787776
RGB	120, 119, 118
RGB Percent	47%, 47%, 46%
CMY	0.5303, 0.5342, 0.5381
CMYK	0.00, 0.01, 0.02, 0.53
HSL	30°, 1%, 47%
HSV	30°, 2%, 47%
XYZ	17.5402, 18.4187, 19.6991
YIQ	119.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

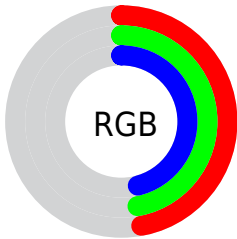
Format	Color
R _Y B	120, 120, 118
Decimal	7894902
CIE Lab	50.00, 0.18, 0.68
CIE LCh	50, 0.701, 74.868
Yxy	18.4187, 0.3151, 0.3309
Android (android.graphics.Color)	4286084982 (0xFF787776)
YUV	119.1850, -0.5842, 0.7148
Hunter-Lab	42.9170, -2.1516, 2.8274

Details

The CIELCh color $50, 0.701, 74.868$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 0.709, 256.085$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 0.654, 74.780$, and $30, 0.769, 74.891$ is the 20% darker color. If you saturate the color by 10%, you get $48, 5.039, 74.131$, and if you desaturate by 10%, it is $52, 3.459, 256.559$.

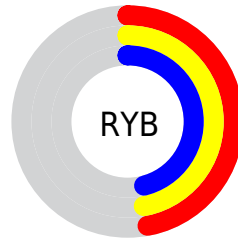
Distribution



Red (47%)

Green (47%)

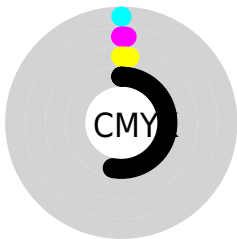
Blue (46%)



Red (47%)

Yellow (47%)

Blue (46%)



Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (53%)



Cyan (53%)












Magenta (53%)




Yellow (54%)

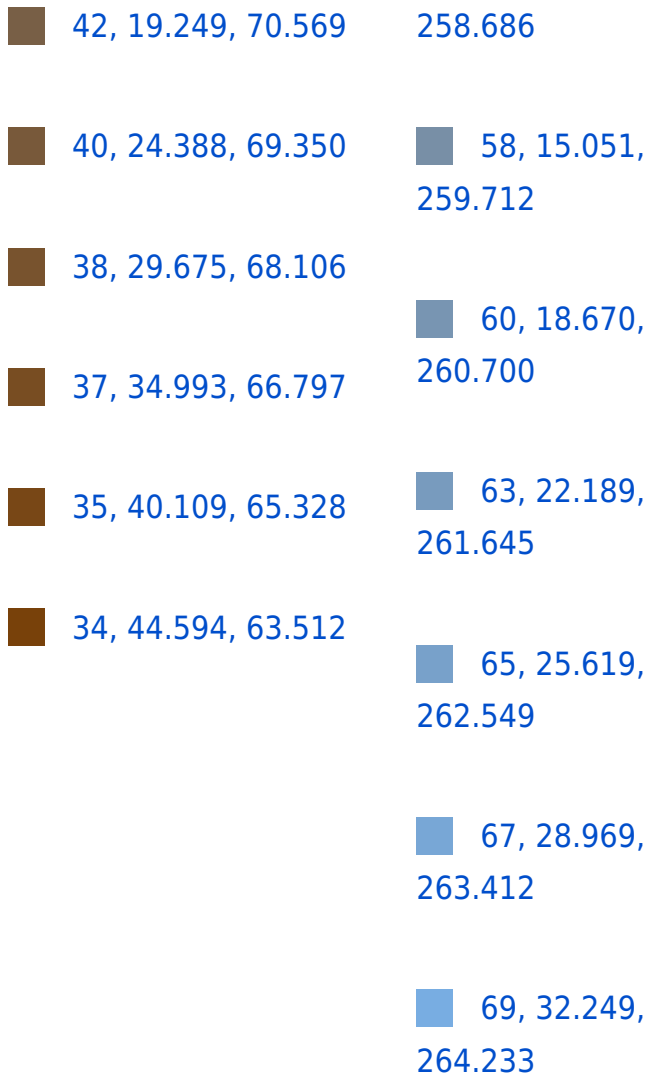
Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 0.701, 74.868 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 50, 0.701, 74.868 by changing the saturation by 10% instead.

 50, 0.701, 74.868	 50, 0.701, 74.868
 100, 0.701, 74.868	 40, 0.701, 74.868
 70, 0.701, 74.868	 30, 0.701, 74.868
 80, 0.701, 74.868	 20, 0.701, 74.868
 90, 0.701, 74.868	 10, 0.701, 74.868
	 0, 0.701, 74.868

 50, 0.701, 74.868	 50, 0.701, 74.868
 48, 5.039, 74.131	 52, 3.459, 256.559
 46, 9.569, 72.968	 54, 7.460, 257.627
 44, 14.304, 71.776	 56, 11.319,



Harmonies

Complementary

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



50, 0.701, 74.868



50, 0.709, 256.085

Rectangle

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



50, 0.701, 74.868



50, 0.701, 124.868



50, 0.701, 254.868



50, 0.701, 304.868

Sweetspot

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



50, 0.702, 74.987



64, 0.517, 74.832



50, 1.005, 343.503



33, 0.296, 74.793



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 0.702, 74.987



64, 1.043, 75.011



50, 1.160, 109.988



24, 0.465, 74.999



33, 49.158, 62.128



66, 84.237, 59.918

Inverse Universe

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



50, 0.709, 256.085



64, 1.050, 256.064



50, 1.177, 290.369



24, 0.469, 256.074



26, 40.597, 282.422



53, 72.627, 285.083

Previews

White Background



This preview shows how the CIELCh color 50, 0.701, 74.868 looks on a white background.

Color Contrast Check

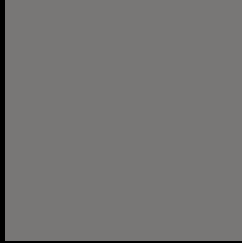
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 0.701, 74.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

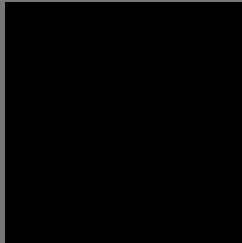
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

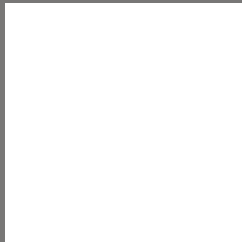
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 0.701, 74.868

Background



This preview shows how black text looks on a background with the CIELCh color 50, 0.701, 74.868.



This preview shows how white text looks on a background with the CIELCh color 50, 0.701, 74.868.

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

50, 0.701, 74.868

Protanopia

50, 1.213, 19.233

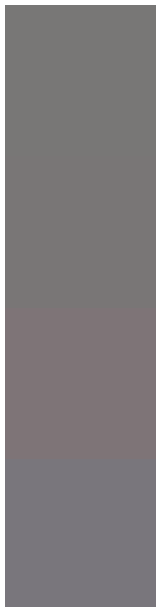
Deuteranopia

50, 6.560, 359.330



Tritanopia
50, 6.091, 305.869

Trichromacy



Original Color

50, 0.701, 74.868

Protanomaly

50, 1.213, 19.233

Deuteranomaly

50, 4.435, 356.599

Tritanomaly

50, 3.726, 309.249

Monochromacy



Original Color

50, 0.701, 74.868

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 0.007, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 0.701, 74.868 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(120, 119, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 118)  
}
```

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(120, 119, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 0.701, 74.868 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(120, 119, 118) }
```

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

```
.border{ border-color:rgb(120, 119, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 119, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 118);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 0.701, 74.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 118) }
```

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

```
.background{ background-color: rgb(120,  
119, 118) }
```

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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