

Converting Colors

CIELCh(48, 6.917, 64.584)

Have a look what the booklet for
CIELCh(48, 6.917, 64.584) contains.

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Color

CIELCh(48, 6.620, 64.793)

Conversions

Conversions Part 1

Format	Color
Hex	7B7068
RGB	123, 112, 104
RGB Percent	48%, 44%, 41%
CMY	0.5177, 0.5608, 0.5922
CMYK	0.00, 0.09, 0.15, 0.52
HSL	25°, 8%, 45%
HSV	25°, 15%, 48%
XYZ	16.4571, 16.7945, 15.4672
YIQ	114.3770, 9.1240, -0.1560

Conversions

Conversions Part 2

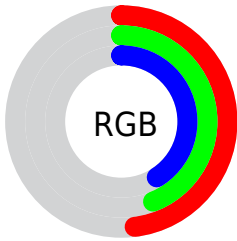
Format	Color
R_{YB}	123, 118, 104
Decimal	8089704
CIE Lab	48.00, 2.82, 5.99
CIE LCh	48, 6.620, 64.793
Yxy	16.7945, 0.3378, 0.3447
Android (android.graphics.Color)	4286279784 (0xFF7B7068)
YUV	114.3770, -5.1159, 7.5624
Hunter-Lab	40.9810, -0.0352, 6.3093

Details

The CIELCh color $48, 6.620, 64.793$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 6.256, 248.300$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 6.811, 65.972$, and $28, 6.569, 63.131$ is the 20% darker color. If you saturate the color by 10%, you get $46, 11.226, 63.808$, and if you desaturate by 10%, it is $50, 2.268, 65.748$.

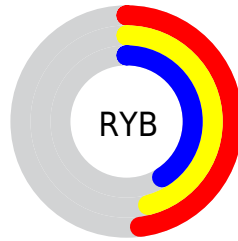
Distribution



Red (48%)

Green (44%)

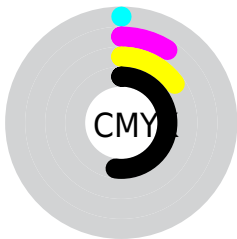
Blue (41%)



Red (48%)

Yellow (46%)

Blue (41%)

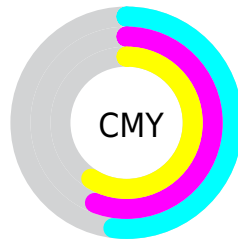


Cyan (0%)

Magenta (9%)

Yellow (15%)

Black (52%)



Cyan (52%)

Magenta (56%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 6.620, 64.793 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 48, 6.620, 64.793 by changing the saturation by 10% instead.


 48, 6.620, 64.793  48, 6.620, 64.793

 100, 6.620, 64.793  38, 6.620, 64.793

 68, 6.620, 64.793  28, 6.620, 64.793

 78, 6.620, 64.793  18, 6.620, 64.793

 88, 6.620, 64.793  8, 6.620, 64.793

 98, 6.620, 64.793  0, 6.620, 64.793

 48, 6.620, 64.793  48, 6.620, 64.793

 46, 11.226, 63.808  50, 2.268, 65.748

 43, 16.104, 62.816  53, 1.853, 247.066

 41, 21.264, 61.845  55, 5.767, 247.970

39, 26.695, 60.899

57, 9.497, 248.945

37, 32.342, 59.961

60, 13.065,
249.908

35, 38.070, 58.973

62, 16.489,
250.846

33, 43.590, 57.799

32, 48.531, 56.316

65, 19.787,
251.755

31, 50.916, 55.889

67, 22.974,
252.631

70, 26.062,
253.473

Harmonies

Complementary

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



48, 6.620, 64.793



48, 6.256, 248.300

Rectangle

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



48, 6.620, 64.793



48, 6.620, 114.793



48, 6.620, 244.793



48, 6.620, 294.793

Sweetspot

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



48, 6.620, 64.808



65, 2.587, 65.773



46, 10.184, 340.556



34, 1.782, 65.727



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 6.620, 64.808



61, 10.249, 64.407



51, 10.121, 105.066



25, 2.360, 65.430



32, 51.564, 55.854



63, 88.344, 53.810

Inverse Universe

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



48, 6.256, 248.300



60, 9.525, 248.852



45, 10.405, 288.292



24, 2.289, 247.521



30, 35.262, 273.361



60, 62.066, 276.204

Previews

White Background



This preview shows how the CIELCh color 48, 6.620, 64.793 looks on a white 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

Black Background



This preview shows how the CIE LCh color 48, 6.620, 64.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

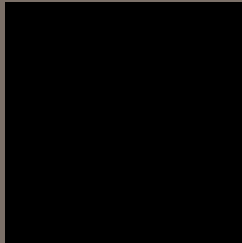
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 6.620, 64.793

Background



This preview shows how black text looks on a background with the CIELCh color 48, 6.620, 64.793.

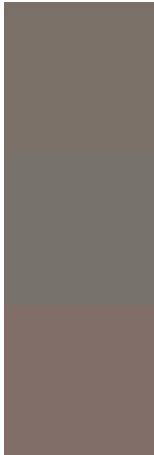


This preview shows how white text looks on a background with the CIELCh color 48, 6.620, 64.793.

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


48, 6.620, 64.793

Protanopia

48, 5.532, 91.808

Deuteranopia

48, 8.861, 43.531



Tritanopia
48, 7.723, 342.801

Trichromacy



Original Color
48, 6.620, 64.793

Protanomaly
48, 5.536, 77.408

Deuteranomaly
48, 7.971, 50.926

Tritanomaly
48, 5.491, 7.677

Monochromacy



Original Color
48, 6.620, 64.793

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 2.402, 66.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 6.620, 64.793 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(123, 112, 104)` looks like.

```
.text, #text, p{  
    color:rgb(123, 112, 104)  
}
```

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(123, 112, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 112, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 6.620, 64.793 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(123, 112, 104) }
```

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

```
.border{ border-color:rgb(123, 112, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 112, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 112, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 112, 104);  
box-shadow:4px 4px 4px 4px rgb(123, 112,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 6.620, 64.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 112, 104) }
```

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

```
.background{ background-color: rgb(123,  
112, 104) }
```

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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