

Converting Colors

CIELCh(48, 5.412, 206.739)

Have a look what the booklet for
CIELCh(48, 5.412, 206.739) contains.

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Color

CIELCh(48, 5.487, 205.052)

Conversions

Conversions Part 1

Format	Color
Hex	677576
RGB	103, 117, 118
RGB Percent	40%, 46%, 46%
CMY	0.5975, 0.5427, 0.5387
CMYK	0.13, 0.01, 0.00, 0.54
HSL	184°, 7%, 43%
HSV	184°, 13%, 46%
XYZ	15.1152, 16.7945, 19.4659
YIQ	112.9280, -8.6650, -2.6570

Conversions

Conversions Part 2

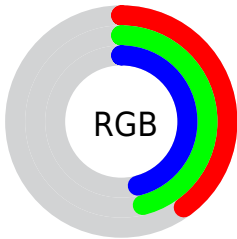
Format	Color
R_{YB}	103, 110, 118
Decimal	6780278
CIE Lab	48.00, -4.97, -2.32
CIE LCh	48, 5.487, 205.052
Yxy	16.7945, 0.2942, 0.3269
Android (android.graphics.Color)	4284970358 (0xFF677576)
YUV	112.9280, 2.5005, -8.7069
Hunter-Lab	40.9810, -5.8800, 0.5241

Details

The CIELCh color **48, 5.487, 205.052** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 5.940, 25.779**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 5.541, 204.739**, and **28, 5.489, 205.386** is the 20% darker color. If you saturate the color by 10%, you get **47, 9.510, 204.800**, and if you desaturate by 10%, it is **49, 1.211, 205.559**.

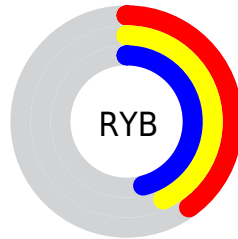
Distribution



Red (40%)

Green (46%)

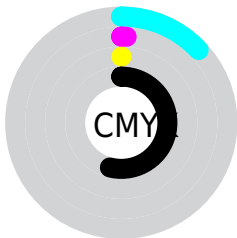
Blue (46%)



Red (40%)

Yellow (43%)

Blue (46%)

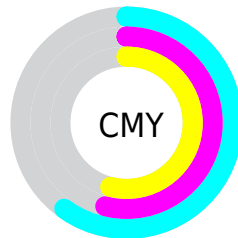


Cyan (13%)

Magenta (1%)

Yellow (0%)

Black (54%)



Cyan (60%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 5.487, 205.052 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, 5.487, 205.052 by changing the saturation by 10% instead.

■ 48, 5.487, 205.052

■ 48, 5.487, 205.052

■ 100, 5.487,
205.052

■ 38, 5.487, 205.052

■ 68, 5.487, 205.052

■ 28, 5.487, 205.052

■ 78, 5.487, 205.052

■ 18, 5.487, 205.052

■ 88, 5.487, 205.052

■ 8, 5.487, 205.052

■ 98, 5.487, 205.052

■ 0, 5.487, 205.052

■ 48, 5.487, 205.052

■ 48, 5.487, 205.052

■ 47, 9.510, 204.800

■ 49, 1.211, 205.559

■ 46, 13.214,
204.660

■ 50, 3.262, 25.461

45, 16.535,
204.625

52, 7.881, 25.898

44, 19.408,
204.709

53, 12.602, 26.314

44, 21.779,
204.932

55, 17.389, 26.743

43, 23.612,
205.315

56, 22.215, 27.181

58, 27.055, 27.625

43, 24.892,
205.878

59, 31.892, 28.071

61, 36.713, 28.515

42, 25.642,
206.635

42, 26.054,
207.226

Harmonies

Complementary

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



48, 5.487, 205.052



45, 5.940, 25.779

Rectangle

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



48, 5.487, 205.052



48, 5.487, 255.052



48, 5.487, 25.052



48, 5.487, 75.052

Sweetspot

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



48, 5.488, 205.040



63, 2.181, 205.416



48, 10.442, 145.083



32, 1.539, 205.370



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 5.488, 205.040



61, 7.953, 204.966



46, 5.512, 262.327



24, 2.441, 205.163



44, 26.800, 207.276



85, 45.264, 207.938

Inverse Universe

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



45, 10.339, 326.951



57, 15.109, 327.097



47, 5.625, 79.064



23, 4.546, 326.742



28, 63.831, 330.965



58, 107.916, 331.128

Previews

White Background



This preview shows how the CIELCh color 48, 5.487, 205.052 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, 5.487, 205.052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

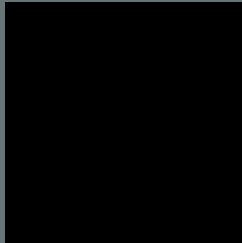
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

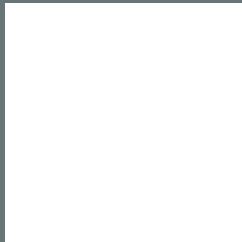
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 5.487, 205.052

Background



This preview shows how black text looks on a background with the CIELCh color 48, 5.487, 205.052.



This preview shows how white text looks on a background with the CIELCh color 48, 5.487, 205.052.

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, 5.487, 205.052

Protanopia

48, 1.959, 314.712

Deuteranopia

48, 7.216, 332.919



Tritanopia
48, 6.913, 249.387

Trichromacy



Original Color
48, 5.487, 205.052

Protanomaly
48, 2.121, 256.145

Deuteranomaly
48, 3.761, 309.259

Tritanomaly
48, 5.755, 237.078

Monochromacy



Original Color
48, 5.487, 205.052

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 2.074, 215.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 5.487, 205.052 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(103, 117, 118)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 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(103, 117, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 5.487, 205.052 is called "border". The border property can be set on classes, ids or directly on the HTML element.

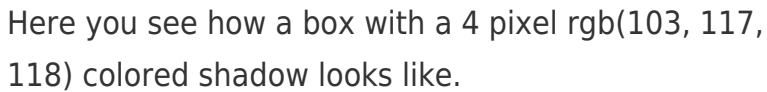
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 117, 118) }
```

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

```
.border{ border-color:rgb(103, 117, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 117, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 118);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 5.487, 205.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 118) }
```

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

```
.background{ background-color: rgb(103,  
117, 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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