

Converting Colors

CIELCh(48, 5.886, 181.831)

Have a look what the booklet for
CIELCh(48, 5.886, 181.831) contains.

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Color

CIELCh(48, 5.855, 181.197)

Conversions

Conversions Part 1

Format	Color
Hex	677572
RGB	103, 117, 114
RGB Percent	40%, 46%, 45%
CMY	0.5964, 0.5415, 0.5533
CMYK	0.12, 0.00, 0.03, 0.54
HSL	167°, 6%, 43%
HSV	167°, 12%, 46%
XYZ	14.9679, 16.7945, 18.3472
YIQ	112.4720, -7.3810, -3.9010

Conversions

Conversions Part 2

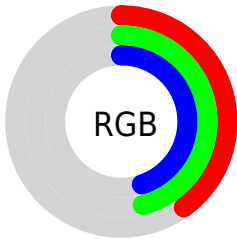
Format	Color
R_{YB}	103, 111, 117
Decimal	6780274
CIE _{Lab}	48.00, -5.85, -0.12
CIE _{LCh}	48, 5.855, 181.197
Yxy	16.7945, 0.2987, 0.3352
Android (android.graphics.Color)	4284970354 (0xFF677572)
YUV	112.4720, 0.7533, -8.3069
Hunter-Lab	40.9810, -6.5217, 2.1426

Details

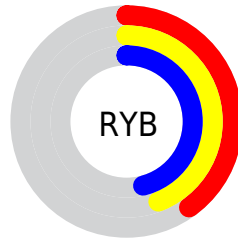
The CIELCh color **48, 5.855, 181.197** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 6.114, 3.196**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 5.848, 182.551**, and **28, 5.964, 179.429** is the 20% darker color. If you saturate the color by 10%, you get **47, 10.590, 180.257**, and if you desaturate by 10%, it is **49, 0.973, 182.343**.

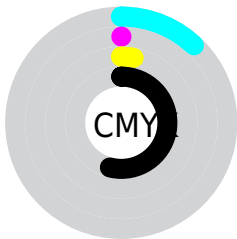
Distribution



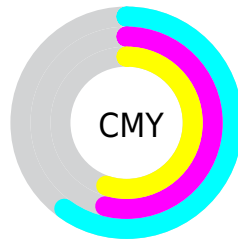
- Red (40%)
- Green (46%)
- Blue (45%)



- Red (40%)
- Yellow (44%)
- Blue (46%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 5.855, 181.197 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, 5.855, 181.197 by changing the saturation by 10% instead.

■ 48, 5.855, 181.197

■ 48, 5.855, 181.197

■ 100, 5.855,
181.197

■ 38, 5.855, 181.197

■ 68, 5.855, 181.197

■ 28, 5.855, 181.197

■ 78, 5.855, 181.197

■ 18, 5.855, 181.197

■ 88, 5.855, 181.197

■ 8, 5.855, 181.197

■ 98, 5.855, 181.197

■ 0, 5.855, 181.197

■ 48, 5.855, 181.197

■ 48, 5.855, 181.197

■ 47, 10.590,
180.257

■ 49, 0.973, 182.343

■ 46, 15.107,

■ 50, 3.998, 2.731

179.288

51, 9.009, 3.571

46, 19.333,
178.258

53, 14.020, 4.349

45, 23.192,
177.149

54, 18.999, 5.093

45, 26.615,
175.944

55, 23.923, 5.811

44, 29.548,
174.620

57, 28.778, 6.504

44, 31.960,
173.159

58, 33.551, 7.175

44, 33.855,
171.542

43, 35.214,
170.247

Harmonies

Complementary

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



48, 5.855, 181.197



45, 6.114, 3.196

Rectangle

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



48, 5.855, 181.197



48, 5.855, 231.197



48, 5.855, 1.197



48, 5.855, 51.197

Sweetspot

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



48, 5.856, 181.189



63, 2.457, 181.981



48, 9.425, 137.800



32, 1.735, 181.905



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, 5.856, 181.189



61, 8.508, 180.967



47, 4.534, 230.364



24, 2.769, 181.465



45, 36.435, 170.148



88, 62.684, 169.023

Inverse Universe

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



45, 6.114, 3.196



57, 8.961, 3.447



46, 4.835, 48.775



23, 2.861, 2.893



24, 52.581, 26.167



52, 91.540, 29.478

Previews

White Background



This preview shows how the CIELCh color 48, 5.855, 181.197 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, 5.855, 181.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

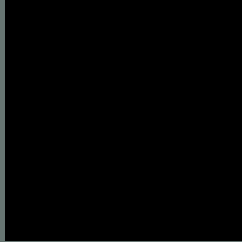
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

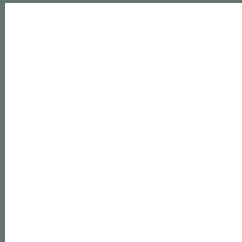
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 5.855, 181.197

Background



This preview shows how black text looks on a background with the CIELCh color 48, 5.855, 181.197.



This preview shows how white text looks on a background with the CIELCh color 48, 5.855, 181.197.

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, 5.855, 181.197

Protanopia

48, 1.353, 45.012

Deuteranopia

48, 6.459, 353.091



Tritanopia
48, 6.470, 254.506

Trichromacy



Original Color
48, 5.855, 181.197

Protanomaly
48, 1.352, 173.695

Deuteranomaly
48, 1.707, 335.699

Tritanomaly
48, 5.176, 226.188

Monochromacy



Original Color
48, 5.855, 181.197

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 2.104, 183.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 5.855, 181.197 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 5.855, 181.197 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, 114) }
```

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

```
.border{ border-color:rgb(103, 117, 114) }
```

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, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 114);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 5.855, 181.197 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, 114) }
```

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

```
.background{ background-color: rgb(103,  
117, 114) }
```

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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