

Converting Colors

CIELCh(50, 9.253, 168.021)

Have a look what the booklet for
CIELCh(50, 9.253, 168.021) contains.

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Color

CIELCh(50, 9.253, 168.021)

Conversions

Conversions Part 1

Format	Color
Hex	677B73
RGB	103, 123, 115
RGB Percent	40%, 48%, 45%
CMY	0.5946, 0.5161, 0.5475
CMYK	0.16, 0.00, 0.06, 0.52
HSL	156°, 9%, 44%
HSV	156°, 16%, 48%
XYZ	15.8880, 18.4187, 19.0564
YIQ	116.1080, -9.3520, -6.7280

Conversions

Conversions Part 2

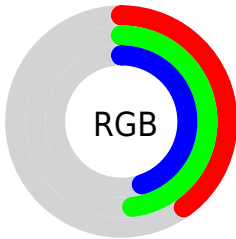
Format	Color
R_{YB}	103, 116, 123
Decimal	6781811
CIE Lab	50.00, -9.05, 1.92
CIE LCh	50, 9.253, 168.021
Yxy	18.4187, 0.2977, 0.3452
Android (android.graphics.Color)	4284971891 (0xFF677B73)
YUV	116.1080, -0.5462, -11.4957
Hunter-Lab	42.9170, -9.0236, 3.7153

Details

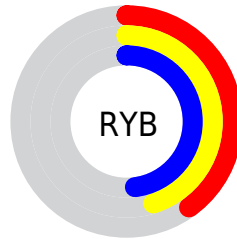
The CIELCh color **50, 9.253, 168.021** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 9.540, 350.837**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 9.007, 169.568**, and **30, 8.988, 168.062** is the 20% darker color. If you saturate the color by 10%, you get **49, 14.854, 167.024**, and if you desaturate by 10%, it is **51, 3.557, 168.970**.

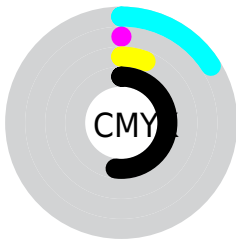
Distribution



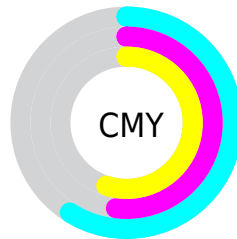
- Red (40%)
- Green (48%)
- Blue (45%)



- Red (40%)
- Yellow (45%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (6%)
- Black (52%)



- Cyan (59%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 9.253, 168.021 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, 9.253, 168.021 by changing the saturation by 10% instead.

■ 50, 9.253, 168.021

■ 50, 9.253, 168.021

■ 100, 9.253,
168.021

■ 40, 9.253, 168.021

■ 70, 9.253, 168.021

■ 30, 9.253, 168.021

■ 80, 9.253, 168.021

■ 20, 9.253, 168.021

■ 90, 9.253, 168.021

■ 10, 9.253, 168.021

■ 0, 9.253, 168.021

■ 50, 9.253, 168.021

■ 50, 9.253, 168.021

■ 49, 14.854,
167.024

■ 51, 3.557, 168.970

■ 48, 20.281,
165.940

■ 52, 2.171, 349.570

■ 53, 7.876, 350.445

■ 47, 25.447,
164.742

■ 55, 13.518,
351.184

■ 47, 30.265,
163.407

■ 56, 19.066,
351.871

■ 46, 34.653,
161.912

■ 58, 24.500,
352.518

■ 46, 38.546,
160.239

■ 59, 29.806,
353.131

■ 46, 41.913,
158.372

■ 61, 34.976,
353.715

■ 45, 44.810,
156.355

■ 63, 40.008,
354.271

■ 45, 45.882,
155.635

Harmonies

Complementary

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



50, 9.253, 168.021



46, 9.540, 350.837

Rectangle

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



50, 9.253, 168.021



50, 9.253, 218.021



50, 9.253, 348.021



50, 9.253, 38.021

Sweetspot

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



50, 9.254, 168.017



65, 3.549, 169.083



50, 12.622, 131.259



34, 2.441, 169.022



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 9.254, 168.017



64, 13.429, 167.704



50, 7.083, 206.667



25, 3.200, 168.695



46, 46.321, 155.603



88, 79.890, 154.287

Inverse Universe

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



46, 9.540, 350.837



58, 13.927, 351.170



46, 7.853, 27.483



24, 3.257, 350.133



26, 49.858, 9.754



54, 84.353, 12.779

Previews

White Background



This preview shows how the CIELCh color 50, 9.253, 168.021 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 50, 9.253, 168.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

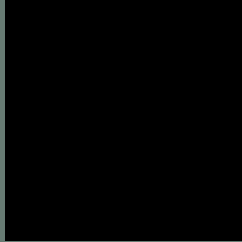
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

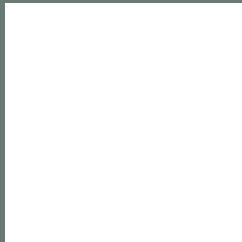
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 9.253, 168.021

Background



This preview shows how black text looks on a background with the CIELCh color 50, 9.253, 168.021.



This preview shows how white text looks on a background with the CIELCh color 50, 9.253, 168.021.

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, 9.253, 168.021

Protanopia

50, 3.336, 80.235

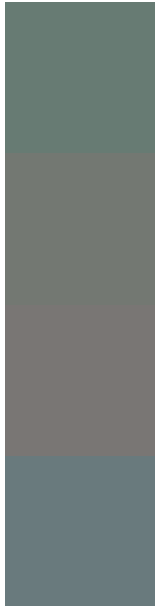
Deuteranopia

50, 6.682, 10.117



Tritanopia
50, 8.005, 246.172

Trichromacy



Original Color
50, 9.253, 168.021

Protanomaly
50, 4.064, 139.615

Deuteranomaly
50, 1.677, 63.313

Tritanomaly
50, 6.700, 214.033

Monochromacy



Original Color
50, 9.253, 168.021

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.329, 167.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 9.253, 168.021 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, 123, 115)` looks like.

```
.text, #text, p{  
    color:rgb(103, 123, 115)  
}
```

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, 123, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 123, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 9.253, 168.021 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, 123, 115) }
```

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

```
.border{ border-color:rgb(103, 123, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 123, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 123, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 123, 115);  
box-shadow:4px 4px 4px 4px rgb(103, 123,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 9.253, 168.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 123, 115) }
```

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

```
.background{ background-color: rgb(103,  
123, 115) }
```

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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