

Converting Colors

CIELCh(50, 8.438, 200.044)

Have a look what the booklet for
CIELCh(50, 8.438, 200.044) contains.

CIELCh(50, 8.385, 202.578)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 8.385, 202.578)

Conversions

Conversions Part 1

Format	Color
Hex	657B7C
RGB	101, 123, 124
RGB Percent	40%, 48%, 49%
CMY	0.6036, 0.5173, 0.5134
CMYK	0.19, 0.01, 0.00, 0.51
HSL	183°, 10%, 44%
HSV	183°, 19%, 49%
XYZ	16.1156, 18.4187, 21.8055
YIQ	116.5360, -13.4330, -4.3530

Conversions

Conversions Part 2

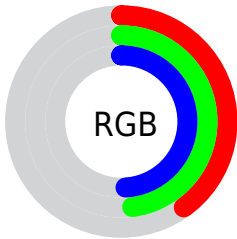
Format	Color
R_{YB}	101, 112, 124
Decimal	6650748
CIE _{Lab}	50.00, -7.74, -3.22
CIE _{LCh}	50, 8.385, 202.578
Yxy	18.4187, 0.2860, 0.3269
Android (android.graphics.Color)	4284840828 (0xFF657B7C)
YUV	116.5360, 3.6798, -13.6251
Hunter-Lab	42.9170, -8.0768, -0.0826

Details

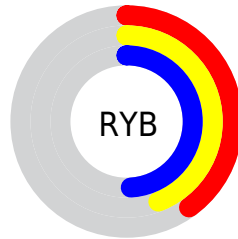
The CIELCh color **50, 8.385, 202.578** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 9.435, 24.122**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 8.328, 202.561**, and **30, 8.120, 202.771** is the 20% darker color. If you saturate the color by 10%, you get **49, 12.492, 202.284**, and if you desaturate by 10%, it is **51, 3.967, 202.956**.

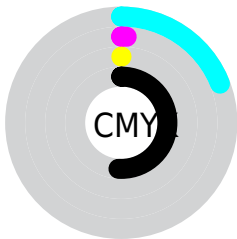
Distribution



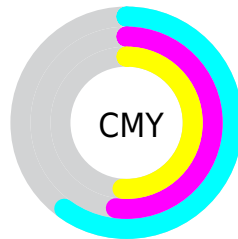
- Red (40%)
- Green (48%)
- Blue (49%)



- Red (40%)
- Yellow (44%)
- Blue (49%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (51%)



- Cyan (60%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 8.385, 202.578 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, 8.385, 202.578 by changing the saturation by 10% instead.

■ 50, 8.385, 202.578

■ 50, 8.385, 202.578

■ 100, 8.385,
202.578

■ 40, 8.385, 202.578

■ 70, 8.385, 202.578

■ 30, 8.385, 202.578

■ 80, 8.385, 202.578

■ 20, 8.385, 202.578

■ 90, 8.385, 202.578

■ 10, 8.385, 202.578

■ 0, 8.385, 202.578

■ 50, 8.385, 202.578

■ 50, 8.385, 202.578

■ 49, 12.492,
202.284

■ 51, 3.967, 202.956

■ 48, 16.215,
202.082

■ 52, 0.696, 22.681

■ 53, 5.544, 23.596

■ 47, 19.486,
201.971

■ 55, 10.525, 24.084

■ 47, 22.242,
201.966

■ 56, 15.593, 24.572

■ 46, 24.437,
202.078

■ 58, 20.714, 25.069

■ 46, 26.047,
202.321

■ 61, 31.006, 26.075

■ 45, 27.079,
202.703

■ 63, 36.137, 26.576

■ 45, 27.691,
203.192

■ 45, 27.778,
203.263

Harmonies

Complementary

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



50, 8.385, 202.578



45, 9.435, 24.122

Rectangle

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



50, 8.385, 202.578



50, 8.385, 252.578



50, 8.385, 22.578



50, 8.385, 72.578

Sweetspot

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



50, 8.385, 202.571



65, 3.464, 203.082



50, 16.091, 144.221



34, 2.313, 203.053



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, 8.385, 202.571



63, 12.142, 202.447



47, 8.235, 261.495



25, 2.585, 202.932



45, 27.914, 203.268



87, 46.859, 203.663

Inverse Universe

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



46, 15.998, 326.604



57, 23.469, 326.820



48, 8.541, 76.678



24, 4.787, 326.082



29, 65.927, 329.974



59, 110.782, 330.072

Previews

White Background



This preview shows how the CIELCh color 50, 8.385, 202.578 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, 8.385, 202.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

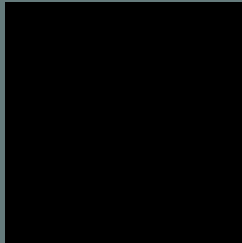
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 8.385, 202.578

Background



This preview shows how black text looks on a background with the CIELCh color 50, 8.385, 202.578.



This preview shows how white text looks on a background with the CIELCh color 50, 8.385, 202.578.

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

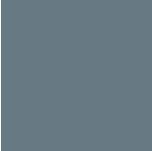
50, 8.385, 202.578

Protanopia

50, 1.944, 314.706

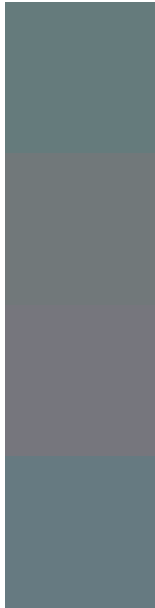
Deuteranopia

50, 8.055, 327.265



Tritanopia
50, 9.029, 239.418

Trichromacy



Original Color
50, 8.385, 202.578

Protanomaly
50, 2.972, 222.472

Deuteranomaly
50, 4.102, 290.722

Tritanomaly
50, 8.436, 227.929

Monochromacy



Original Color
50, 8.385, 202.578

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.199, 209.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 8.385, 202.578 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(101, 123, 124)` looks like.

```
.text, #text, p{  
    color:rgb(101, 123, 124)  
}
```

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(101, 123, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 123, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 8.385, 202.578 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(101, 123, 124) }
```

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

```
.border{ border-color:rgb(101, 123, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 123, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 123, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 123, 124);  
box-shadow:4px 4px 4px 4px rgb(101, 123,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 8.385, 202.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 123, 124) }
```

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

```
.background{ background-color: rgb(101,  
123, 124) }
```

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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