

Converting Colors

CIELCh(50, 25.748, 157.526)

Have a look what the booklet for
CIELCh(50, 25.748, 157.526)
contains.

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Color

CIELCh(50, 25.107, 158.020)

Conversions

Conversions Part 1

Format	Color
Hex	4F8166
RGB	79, 129, 102
RGB Percent	31%, 51%, 40%
CMY	0.6891, 0.4929, 0.5989
CMYK	0.39, 0.00, 0.21, 0.49
HSL	148°, 24%, 41%
HSV	148°, 39%, 51%
XYZ	13.5504, 18.4187, 15.4854
YIQ	110.9720, -21.1330, -18.9970

Conversions

Conversions Part 2

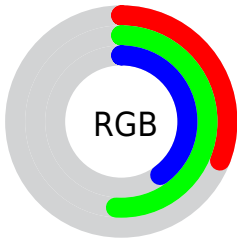
Format	Color
RYB	79, 113, 129
Decimal	5210470
CIELab	50.00, -23.28, 9.40
CIElCh	50, 25.107, 158.020
Yxy	18.4187, 0.2855, 0.3881
Android (android.graphics.Color)	4283400550 (0xFF4F8166)
YUV	110.9720, -4.4232, -28.0394
Hunter-Lab	42.9170, -18.7460, 8.6488

Details

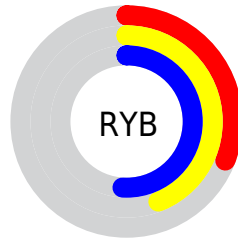
The CIELCh color **50, 25.107, 158.020** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **40, 26.019, 344.995**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 25.048, 158.168**, and **30, 24.885, 158.005** is the 20% darker color. If you saturate the color by 10%, you get **49, 31.193, 156.809**, and if you desaturate by 10%, it is **51, 18.764, 159.092**.

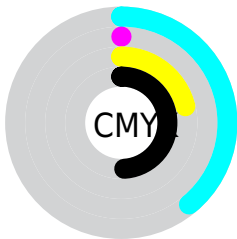
Distribution



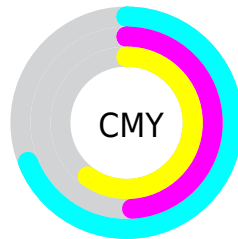
- Red (31%)
- Green (51%)
- Blue (40%)



- Red (31%)
- Yellow (44%)
- Blue (51%)



- Cyan (39%)
- Magenta (0%)
- Yellow (21%)
- Black (49%)





- Cyan (69%)
- Magenta (49%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 25.107, 158.020 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, 25.107, 158.020 by changing the saturation by 10% instead.


 50, 25.107,
158.020


 50, 25.107,
158.020


 100, 25.107,
158.020


 40, 25.107,
158.020


 70, 25.107,
158.020

 30, 25.107,
158.020


 80, 25.107,
158.020


 20, 25.107,
158.020

 90, 25.107,
158.020

 10, 25.107,
158.020

 0, 25.107, 158.020

 50, 25.107,
158.020

 50, 25.107,
158.020

■ 49, 31.193,
156.809

■ 51, 18.764,
159.092

■ 49, 36.914,
155.440

■ 52, 12.263,
160.050

■ 48, 42.173,
153.891

■ 53, 5.694, 160.927

■ 54, 0.870, 341.317

■ 48, 46.890,
152.148

■ 56, 7.369, 342.302

■ 47, 51.022,
150.212

■ 57, 13.759,
342.957

■ 47, 54.677,
148.202

■ 59, 20.010,
343.551

■ 47, 55.151,
147.956

■ 60, 26.101,
344.098

■ 62, 32.019,
344.607

Harmonies

Complementary

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



50, 25.107, 158.020



40, 26.019, 344.995

Rectangle

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



50, 25.107, 158.020



50, 25.107, 208.020



50, 25.107, 338.020



50, 25.107, 28.020

Sweetspot

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



50, 25.108, 158.019



67, 9.773, 160.617



51, 30.070, 125.505



35, 6.453, 160.528



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 25.108, 158.019



63, 36.654, 157.015



51, 17.861, 192.853



26, 3.656, 160.892



46, 54.557, 147.990



0, 0.000, 0.000

Inverse Universe

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



40, 26.019, 344.995



49, 38.153, 345.972



39, 22.615, 19.135



25, 3.693, 342.201



27, 51.366, 356.944



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 25.107, 158.020 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 CIELCh color 50, 25.107, 158.020 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, 25.107, 158.020

Background



This preview shows how black text looks on a background with the CIELCh color 50, 25.107, 158.020.



This preview shows how white text looks on a background with the CIELCh color 50, 25.107, 158.020.

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, 25.107, 158.020

Protanopia
50, 12.594, 94.643

Deuteranopia
50, 10.143, 47.489



Tritanopia
50, 14.385, 222.345

Trichromacy



Original Color
50, 25.107, 158.020

Protanomaly
50, 14.640, 131.990

Deuteranomaly
50, 8.997, 122.407

Tritanomaly
50, 15.955, 189.253

Monochromacy



Original Color
50, 25.107, 158.020

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 9.709, 160.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 25.107, 158.020 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(79, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(79, 129, 102)  
}
```

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(79, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 129, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 25.107, 158.020 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(79, 129, 102) }
```

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

```
.border{ border-color:rgb(79, 129, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 129, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(79, 129,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 25.107, 158.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 129, 102) }
```

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

```
.background{ background-color: rgb(79, 129,  
102) }
```

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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