

Converting Colors

CIELCh(50, 56.058, 148.116)

Have a look what the booklet for
CIELCh(50, 56.058, 148.116)
contains.

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Color

CIELCh(50, 55.786, 148.264)

Conversions

Conversions Part 1

Format	Color
Hex	0D8942
RGB	13, 137, 66
RGB Percent	5%, 54%, 26%
CMY	0.9474, 0.4621, 0.7406
CMYK	0.90, 0.00, 0.52, 0.46
HSL	146°, 82%, 30%
HSV	146°, 90%, 54%
XYZ	10.1270, 18.4187, 8.1971
YIQ	91.8300, -51.1130, -48.3690

Conversions

Conversions Part 2

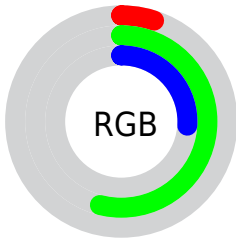
Format	Color
RYB	13, 100, 137
Decimal	887106
CIELab	50.00, -47.44, 29.34
CIElCh	50, 55.786, 148.264
Yxy	18.4187, 0.2756, 0.5013
Android (android.graphics.Color)	4279077186 (0xFF0D8942)
YUV	91.8300, -12.7342, -69.1339
Hunter-Lab	42.9170, -32.9844, 18.7176

Details

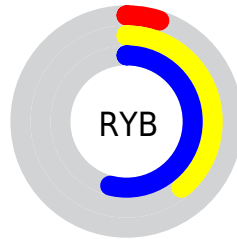
The CIELCh color **50, 55.786, 148.264** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 53.448, 351.613**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 56.267, 148.098**, and **31, 48.740, 140.536** is the 20% darker color. If you saturate the color by 10%, you get **50, 59.591, 146.319**, and if you desaturate by 10%, it is **50, 51.408, 150.229**.

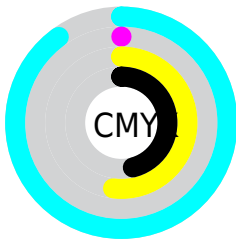
Distribution



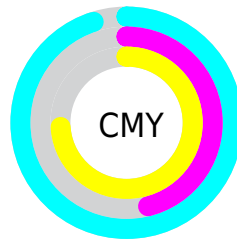
- Red (5%)
- Green (54%)
- Blue (26%)



- Red (5%)
- Yellow (39%)
- Blue (54%)



- Cyan (90%)
- Magenta (0%)
- Yellow (52%)
- Black (46%)





- Cyan (95%)
- Magenta (46%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 55.786, 148.264 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, 55.786, 148.264 by changing the saturation by 10% instead.


 50, 55.786,
148.264


 50, 55.786,
148.264


 100, 55.786,
148.264


 40, 55.786,
148.264


 70, 55.786,
148.264

 30, 55.786,
148.264

 80, 55.786,
148.264


 20, 55.786,
148.264

 90, 55.786,
148.264

 10, 55.786,
148.264

 0, 55.786, 148.264

 50, 55.786,
148.264

 50, 55.786,
148.264

■ 50, 59.591,
146.319

■ 50, 51.408,
150.229

■ 51, 46.387,
152.007

■ 51, 40.770,
153.590

■ 52, 34.642,
154.987

■ 53, 28.109,
156.218

■ 54, 21.288,
157.303

■ 55, 14.291,
158.266

■ 56, 7.217, 159.136

■ 57, 0.150, 161.775

Harmonies

Complementary

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



50, 55.786, 148.264



30, 53.448, 351.613

Rectangle

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



50, 55.786, 148.264



50, 55.786, 198.264



50, 55.786, 328.264



50, 55.786, 18.264

Sweetspot

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



50, 55.786, 148.264



69, 23.615, 157.566



52, 63.632, 123.863



35, 15.827, 157.276



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 55.786, 148.264



64, 73.138, 145.788



51, 33.009, 185.615



28, 3.996, 159.225



48, 58.052, 146.397



1, 1.854, 159.879

Inverse Universe

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



30, 53.448, 351.613



39, 66.184, 355.089



29, 57.331, 31.832



27, 4.032, 340.516



28, 53.446, 354.166



0, 1.854, 339.870

Previews

White Background



This preview shows how the CIELCh color 50, 55.786, 148.264 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 CIELCh color 50, 55.786, 148.264 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, 55.786, 148.264

Background



This preview shows how black text looks on a background with the CIELCh color 50, 55.786, 148.264.



This preview shows how white text looks on a background with the CIELCh color 50, 55.786, 148.264.

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, 55.786, 148.264

Protanopia

50, 33.585, 95.274

Deuteranopia

50, 27.894, 76.881



Tritanopia
50, 23.421, 213.384

Trichromacy



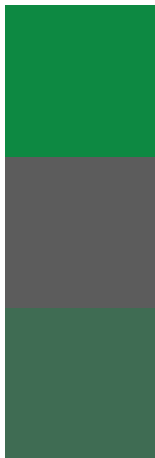
Original Color
50, 55.786, 148.264

Protanomaly
48, 39.142, 129.810

Deuteranomaly
48, 31.912, 127.159

Tritanomaly
50, 31.753, 175.586

Monochromacy



Original Color
50, 55.786, 148.264

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 23.569, 157.027

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 55.786, 148.264 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(13, 137, 66)` looks like.

```
.text, #text, p{  
    color:rgb(13, 137, 66)  
}
```

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(13, 137, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 137, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 55.786, 148.264 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(13, 137, 66) }
```

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

```
.border{ border-color:rgb(13, 137, 66) }
```

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

Here you see how a box with a 4 pixel rgb(13, 137, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 137, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 137, 66);  
box-shadow:4px 4px 4px 4px rgb(13, 137,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 55.786, 148.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 137, 66) }
```

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

```
.background{ background-color: rgb(13, 137,  
66) }
```

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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