

Converting Colors

CIELCh(50, 54.208, 165.570)

Have a look what the booklet for
CIELCh(50, 54.208, 165.570)
contains.

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Color

CIELCh(51, 45.913, 160.578)

Conversions

Conversions Part 1

Format	Color
Hex	008B5E
RGB	0, 139, 94
RGB Percent	0%, 55%, 37%
CMY	1.0000, 0.4550, 0.6314
CMYK	1.00, 0.00, 0.32, 0.45
HSL	161°, 100%, 27%
HSV	161°, 100%, 55%
XYZ	11.2498, 19.2686, 13.7127
YIQ	92.3090, -68.3990, -43.4630

Conversions

Conversions Part 2

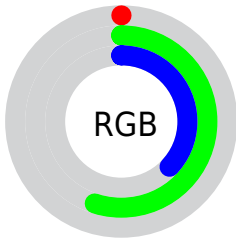
Format	Color
RYB	0, 83, 139
Decimal	35678
CIELab	51.00, -43.30, 15.27
CIELCh	51, 45.913, 160.578
Yxy	19.2686, 0.2543, 0.4356
Android (android.graphics.Color)	4278225758 (0xFF008B5E)
YUV	92.3090, 0.8337, -80.9550
Hunter-Lab	43.8960, -31.0716, 12.2055

Details

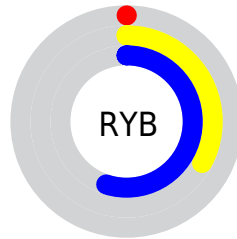
The CIELCh color **51, 45.913, 160.578** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **29, 54.910, 17.501**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 46.065, 160.667**, and **32, 37.661, 153.436** is the 20% darker color. If you saturate the color by 10%, you get **51, 45.912, 160.577**, and if you desaturate by 10%, it is **51, 43.381, 162.564**.

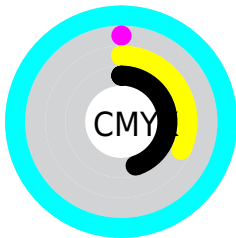
Distribution



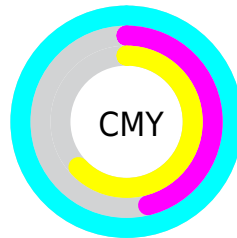
- Red (0%)
- Green (55%)
- Blue (37%)



- Red (0%)
- Yellow (33%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (45%)





- Cyan (100%)
- Magenta (46%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 45.913, 160.578 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 51, 45.913, 160.578 by changing the saturation by 10% instead.


 51, 45.913,
160.578


 51, 45.913,
160.578


 100, 45.913,
160.578


 41, 45.913,
160.578


 71, 45.913,
160.578


 31, 45.913,
160.578

 81, 45.913,
160.578

 21, 45.913,
160.578

 91, 45.913,
160.578

 11, 45.913,
160.578

 1, 45.913, 160.578

 0, 45.913, 160.578

■ 51, 45.913,
160.578

■ 51, 45.913,
160.578

■ 51, 45.912,
160.577

■ 51, 43.381,
162.564

■ 51, 40.448,
164.470

■ 52, 36.924,
166.185

■ 52, 32.818,
167.721

■ 53, 28.180,
169.100

■ 54, 23.086,
170.344

■ 55, 17.630,
171.476

■ 56, 11.904,

172.519

■ 57, 6.000, 173.503

Harmonies

Complementary

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



51, 45.913, 160.578



29, 54.910, 17.501

Rectangle

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



51, 45.913, 160.578



51, 45.913, 210.578



51, 45.913, 340.578



51, 45.913, 30.578

Sweetspot

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



51, 45.912, 160.577



70, 21.854, 171.405



51, 72.616, 132.182



36, 14.934, 170.993



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 45.912, 160.577



65, 56.238, 160.055



45, 27.722, 227.454



29, 3.361, 173.587



49, 44.295, 160.683



1, 1.571, 174.343

Inverse Universe

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



29, 54.910, 17.501



38, 67.061, 18.844



30, 62.991, 42.520



27, 3.442, 355.104



27, 53.012, 17.228



0, 1.571, 354.330

Previews

White Background



This preview shows how the CIELCh color 51, 45.913, 160.578 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 CIELCh color 51, 45.913, 160.578 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 51, 45.913, 160.578

Background



This preview shows how black text looks on a background with the CIELCh color 51, 45.913, 160.578.



This preview shows how white text looks on a background with the CIELCh color 51, 45.913, 160.578.

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
51, 45.913, 160.578

Protanopia
51, 20.599, 96.296

Deuteranopia
51, 14.524, 62.662



Tritanopia
51, 25.340, 211.923

Trichromacy



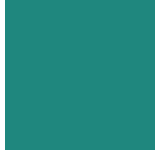
Original Color
51, 45.913, 160.578



Protanomaly
49, 29.154, 145.747



Deuteranomaly
49, 21.318, 149.508



Tritanomaly
51, 30.688, 186.435

Monochromacy



Original Color
51, 45.913, 160.578



Achromatopsia
39, 0.006, 296.813



Achromatomaly
42, 21.397, 170.027

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 45.913, 160.578 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(0, 139, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 94)  
}
```

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(0, 139, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 45.913, 160.578 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(0, 139, 94) }
```

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

```
.border{ border-color:rgb(0, 139, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 139, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 45.913, 160.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 94) }
```

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

```
.background{ background-color: rgb(0, 139,  
94) }
```

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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