

Converting Colors

CIELCh(48, 45.239, 158.562)

Have a look what the booklet for
CIELCh(48, 45.239, 158.562)
contains.

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Color

CIELCh(48, 45.246, 158.643)

Conversions

Conversions Part 1

Format	Color
Hex	018355
RGB	1, 131, 85
RGB Percent	0%, 51%, 33%
CMY	0.9960, 0.4877, 0.6679
CMYK	0.99, 0.00, 0.35, 0.49
HSL	159°, 98%, 26%
HSV	159°, 99%, 51%
XYZ	9.7081, 16.7945, 11.2567
YIQ	86.8860, -62.7140, -41.8660

Conversions

Conversions Part 2

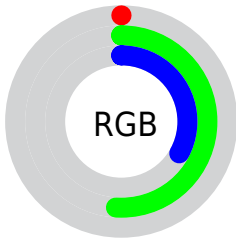
Format	Color
R_YB	1, 80, 131
Decimal	99157
CIE Lab	48.00, -42.14, 16.48
CIE LCh	48, 45.246, 158.643
Yxy	16.7945, 0.2571, 0.4448
Android (android.graphics.Color)	4278289237 (0xFF018355)
YUV	86.8860, -0.9298, -75.3220
Hunter-Lab	40.9810, -29.4316, 12.4009

Details

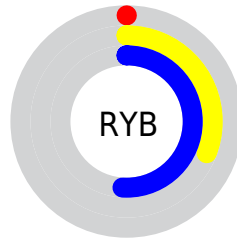
The CIELCh color **48, 45.246, 158.643** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27, 51.717, 13.950**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 45.241, 158.710**, and **29, 37.177, 150.748** is the 20% darker color. If you saturate the color by 10%, you get **48, 45.453, 158.495**, and if you desaturate by 10%, it is **48, 42.592, 160.639**.

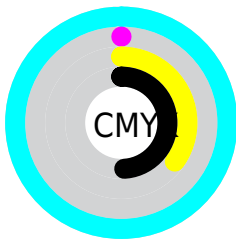
Distribution



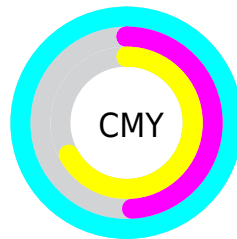
- Red (0%)
- Green (51%)
- Blue (33%)



- Red (0%)
- Yellow (31%)
- Blue (51%)



- Cyan (99%)
- Magenta (0%)
- Yellow (35%)
- Black (49%)




- Cyan (100%)
- Magenta (49%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 45.246, 158.643 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 48, 45.246, 158.643 by changing the saturation by 10% instead.


 48, 45.246,
158.643

 48, 45.246,
158.643


 100, 45.246,
158.643

 38, 45.246,
158.643

 68, 45.246,
158.643


 28, 45.246,
158.643

 78, 45.246,
158.643

 18, 45.246,
158.643

 88, 45.246,
158.643

 8, 45.246, 158.643

 98, 45.246,
158.643

 0, 45.246, 158.643

 48, 45.246,

 48, 45.246,

158.643

158.643

■ 48, 45.453,
158.495

■ 48, 42.592,
160.639

■ 48, 39.539,
162.548

■ 49, 35.929,
164.265

■ 49, 31.777,
165.801

■ 50, 27.137,
167.177

■ 51, 22.087,
168.415

■ 52, 16.715,
169.539

■ 52, 11.112,
170.570

Harmonies

Complementary

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



48, 45.246, 158.643



27, 51.717, 13.950

Rectangle

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



48, 45.246, 158.643



48, 45.246, 208.643



48, 45.246, 338.643



48, 45.246, 28.643

Sweetspot

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



48, 45.246, 158.643



66, 21.326, 169.379



48, 68.500, 131.323



34, 14.586, 168.979



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 45.246, 158.643



62, 55.850, 157.925



44, 26.655, 220.133



27, 3.321, 171.550



48, 45.295, 158.506



1, 0.800, 172.296

Inverse Universe

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



27, 51.717, 13.950



36, 63.464, 15.683



27, 60.050, 41.206



26, 3.392, 353.043



27, 51.765, 14.255



0, 0.800, 352.283

Previews

White Background



This preview shows how the CIELCh color 48, 45.246, 158.643 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 48, 45.246, 158.643 looks on a black 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

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

CIELCh 48, 45.246, 158.643

Background



This preview shows how black text looks on a background with the CIELCh color 48, 45.246, 158.643.



This preview shows how white text looks on a background with the CIELCh color 48, 45.246, 158.643.

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

48, 45.302, 158.688

Protanopia

48, 21.498, 95.062

Deuteranopia

48, 15.603, 65.356



Tritanopia
48, 23.992, 211.495

Trichromacy



Original Color
48, 45.302, 158.688

Protanomaly
46, 28.335, 142.818

Deuteranomaly
46, 21.716, 145.270

Tritanomaly
48, 29.544, 184.736

Monochromacy



Original Color
48, 45.302, 158.688

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 21.040, 167.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 45.246, 158.643 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(1, 131, 85)` looks like.

```
.text, #text, p{  
    color:rgb(1, 131, 85)  
}
```

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(1, 131, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 131, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 45.246, 158.643 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(1, 131, 85) }
```

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

```
.border{ border-color:rgb(1, 131, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 131, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 131, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 131, 85);  
box-shadow:4px 4px 4px 4px rgb(1, 131, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 45.246, 158.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 131, 85) }
```

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

```
.background{ background-color: rgb(1, 131,  
85) }
```

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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