

Converting Colors

CIELCh(45, 9.834, 175.910)

Have a look what the booklet for
CIELCh(45, 9.834, 175.910) contains.

CIELCh(45, 9.850, 176.906)	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(45, 9.850, 176.906)

Conversions

Conversions Part 1

Format	Color
Hex	586F69
RGB	88, 111, 105
RGB Percent	35%, 44%, 41%
CMY	0.6539, 0.5636, 0.5872
CMYK	0.21, 0.00, 0.05, 0.56
HSL	164°, 12%, 39%
HSV	164°, 21%, 44%
XYZ	12.3277, 14.5417, 15.5945
YIQ	103.4390, -11.7820, -6.7420

Conversions

Conversions Part 2

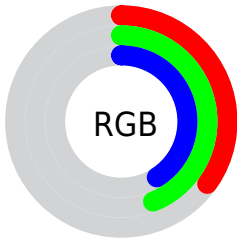
Format	Color
R_{YB}	88, 101, 111
Decimal	5795689
CIE Lab	45.00, -9.84, 0.53
CIE LCh	45, 9.850, 176.906
Yxy	14.5417, 0.2903, 0.3424
Android (android.graphics.Color)	4283985769 (0xFF586F69)
YUV	103.4390, 0.7696, -13.5400
Hunter-Lab	38.1336, -9.0290, 2.4472

Details

The CIELCh color $45, 9.850, 176.906$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 10.511, 0.707$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 10.161, 175.992$, and $25, 9.607, 177.610$ is the 20% darker color. If you saturate the color by 10%, you get $44, 14.382, 175.906$, and if you desaturate by 10%, it is $46, 5.144, 177.854$.

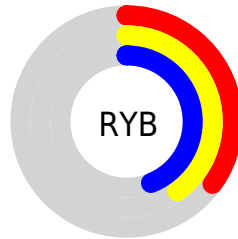
Distribution



Red (35%)

Green (44%)

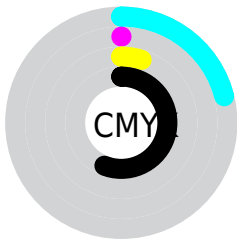
Blue (41%)



Red (35%)

Yellow (40%)

Blue (44%)

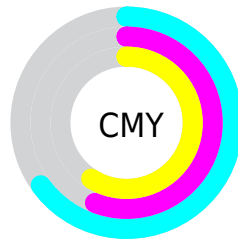


Cyan (21%)

Magenta (0%)

Yellow (5%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.850, 176.906 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 45, 9.850, 176.906 by changing the saturation by 10% instead.

■ 45, 9.850, 176.906

■ 45, 9.850, 176.906

■ 100, 9.850,
176.906

■ 35, 9.850, 176.906

■ 65, 9.850, 176.906

■ 25, 9.850, 176.906

■ 75, 9.850, 176.906

■ 15, 9.850, 176.906

■ 85, 9.850, 176.906

■ 5, 9.850, 176.906

■ 95, 9.850, 176.906

■ 0, 9.850, 176.906

■ 45, 9.850, 176.906

■ 45, 9.850, 176.906

■ 44, 14.382,
175.906

■ 46, 5.144, 177.854

■ 44, 18.668,

■ 47, 0.326, 179.644

174.839

48, 4.550, 359.418

43, 22.634,
173.681

49, 9.437, 0.242

42, 26.211,
172.413

50, 14.302, 1.008

42, 29.341,
171.014

52, 19.117, 1.738

42, 31.987,
169.463

54, 28.527, 3.114

41, 34.144,
167.744

56, 33.101, 3.765

41, 35.939,
166.136

Harmonies

Complementary

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



45, 9.850, 176.906



40, 10.511, 0.707

Rectangle

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



45, 9.850, 176.906



45, 9.850, 226.906



45, 9.850, 356.906



45, 9.850, 46.906

Sweetspot

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



45, 9.851, 176.902



60, 3.611, 178.299



45, 15.435, 135.875



31, 2.413, 178.251



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 9.851, 176.902



57, 14.717, 176.412



44, 7.443, 224.495



23, 2.732, 178.015



44, 37.992, 165.956



87, 66.087, 164.696

Inverse Universe

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



40, 10.511, 0.707



50, 15.969, 1.299



41, 8.431, 42.773



22, 2.810, 359.459



24, 50.466, 22.172



52, 88.145, 25.678

Previews

White Background



This preview shows how the CIELCh color 45, 9.850, 176.906 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 45, 9.850, 176.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

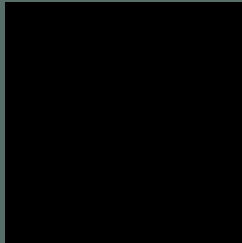
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 9.850, 176.906

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.850, 176.906.



This preview shows how white text looks on a background with the CIELCh color 45, 9.850, 176.906.

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

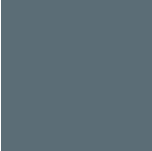
45, 9.850, 176.906

Protanopia

45, 2.677, 81.902

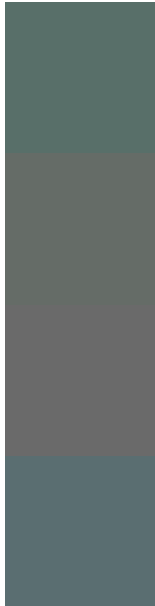
Deuteranopia

45, 5.911, 356.396



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color

45, 9.850, 176.906

Protanomaly

45, 4.164, 153.351

Deuteranomaly

45, 0.006, 296.813

Tritanomaly

45, 7.861, 211.818

Monochromacy



Original Color

45, 9.850, 176.906

Achromatopsia

44, 0.006, 296.813

Achromatomaly

44, 4.099, 173.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.850, 176.906 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(88, 111, 105)` looks like.

```
.text, #text, p{  
    color:rgb(88, 111, 105)  
}
```

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(88, 111, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 111, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.850, 176.906 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(88, 111, 105) }
```

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

```
.border{ border-color:rgb(88, 111, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 111, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 111, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 111, 105);  
box-shadow:4px 4px 4px 4px rgb(88, 111,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.850, 176.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 111, 105) }
```

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

```
.background{ background-color: rgb(88, 111,  
105) }
```

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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