

Converting Colors

CIELCh(45, 9.565, 184.127)

Have a look what the booklet for
CIELCh(45, 9.565, 184.127) contains.

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Color

CIELCh(45, 9.393, 183.561)

Conversions

Conversions Part 1

Format	Color
Hex	586F6B
RGB	88, 111, 107
RGB Percent	35%, 44%, 42%
CMY	0.6544, 0.5642, 0.5799
CMYK	0.21, 0.00, 0.04, 0.56
HSL	170°, 12%, 39%
HSV	170°, 21%, 44%
XYZ	12.3951, 14.5417, 16.0984
YIQ	103.6670, -12.4240, -6.1200

Conversions

Conversions Part 2

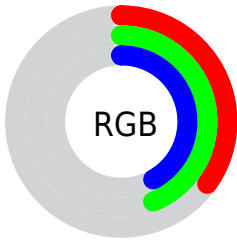
Format	Color
R_{YB}	88, 101, 111
Decimal	5795691
CIE _{Lab}	45.00, -9.37, -0.58
CIE _{LCh}	45, 9.393, 183.561
Yxy	14.5417, 0.2880, 0.3379
Android (android.graphics.Color)	4283985771 (0xFF586F6B)
YUV	103.6670, 1.6432, -13.7400
Hunter-Lab	38.1336, -8.7133, 1.6638

Details

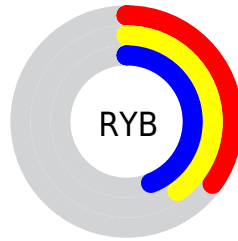
The CIELCh color **45, 9.393, 183.561** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 10.230, 7.189**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 9.725, 181.940**, and **25, 9.097, 185.231** is the 20% darker color. If you saturate the color by 10%, you get **44, 13.634, 182.652**, and if you desaturate by 10%, it is **46, 4.936, 184.443**.

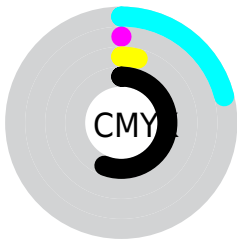
Distribution



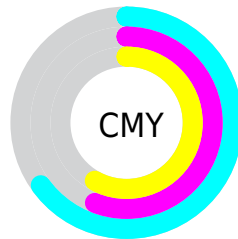
- Red (35%)
- Green (44%)
- Blue (42%)



- Red (35%)
- Yellow (40%)
- Blue (44%)



- Cyan (21%)
- Magenta (0%)
- Yellow (4%)
- Black (56%)



- Cyan (65%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.393, 183.561 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, 9.393, 183.561 by changing the saturation by 10% instead.

■ 45, 9.393, 183.561

■ 45, 9.393, 183.561

■ 100, 9.393,
183.561

■ 35, 9.393, 183.561

■ 65, 9.393, 183.561

■ 25, 9.393, 183.561

■ 75, 9.393, 183.561

■ 15, 9.393, 183.561

■ 85, 9.393, 183.561

■ 5, 9.393, 183.561

■ 95, 9.393, 183.561

■ 0, 9.393, 183.561

■ 45, 9.393, 183.561

■ 45, 9.393, 183.561

■ 44, 13.634,
182.652

■ 46, 4.936, 184.443

■ 44, 17.587,

■ 47, 0.325, 186.232

181.704

48, 4.383, 5.914

43, 21.184,
180.698

49, 9.142, 6.724

43, 24.358,
179.617

50, 13.912, 7.484

51, 18.665, 8.217

42, 27.059,
178.443

53, 23.377, 8.928

42, 29.255,
177.157

54, 28.034, 9.619

56, 32.622, 10.289

42, 30.947,
175.740

41, 32.299,
174.409

Harmonies

Complementary

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



45, 9.393, 183.561



40, 10.230, 7.189

Rectangle

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



45, 9.393, 183.561



45, 9.393, 233.561



45, 9.393, 3.561



45, 9.393, 53.561

Sweetspot

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



45, 9.394, 183.556



60, 3.469, 184.869



45, 15.836, 138.328



31, 2.318, 184.823



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, 9.394, 183.556



58, 13.996, 183.110



43, 7.374, 235.492



23, 2.621, 184.597



45, 34.145, 174.259



88, 59.019, 173.224

Inverse Universe

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



40, 10.230, 7.189



50, 15.584, 7.778



42, 8.218, 52.223



22, 2.717, 5.956



24, 53.021, 29.121



52, 93.315, 32.361

Previews

White Background



This preview shows how the CIELCh color 45, 9.393, 183.561 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 CIE LCh color 45, 9.393, 183.561 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, 9.393, 183.561

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.393, 183.561.



This preview shows how white text looks on a background with the CIELCh color 45, 9.393, 183.561.

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

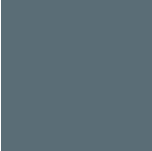
45, 9.393, 183.561

Protanopia

45, 1.711, 63.291

Deuteranopia

45, 6.122, 344.437



Tritanopia
45, 8.821, 236.486

Trichromacy



Original Color
45, 9.393, 183.561

Protanomaly
45, 3.388, 167.240

Deuteranomaly
45, 1.260, 271.570

Tritanomaly
45, 8.315, 215.336

Monochromacy



Original Color
45, 9.393, 183.561

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.855, 180.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.393, 183.561 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(88, 111, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 111, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.393, 183.561 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, 107) }
```

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

```
.border{ border-color:rgb(88, 111, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 111, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 111, 107);  
box-shadow:4px 4px 4px 4px rgb(88, 111,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.393, 183.561 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, 107) }
```

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

```
.background{ background-color: rgb(88, 111,  
107) }
```

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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