

Converting Colors

CIELCh(45, 9.359, 197.864)

Have a look what the booklet for
CIELCh(45, 9.359, 197.864) contains.

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Color

CIELCh(45, 9.247, 198.373)

Conversions

Conversions Part 1

Format	Color
Hex	576F6F
RGB	87, 111, 111
RGB Percent	34%, 44%, 44%
CMY	0.6588, 0.5647, 0.5647
CMYK	0.22, 0.00, 0.00, 0.56
HSL	180°, 12%, 39%
HSV	180°, 22%, 44%
XYZ	12.4832, 14.5417, 17.1867
YIQ	103.8240, -14.3040, -5.0880

Conversions

Conversions Part 2

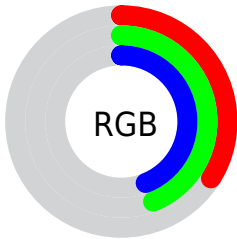
Format	Color
R_{YB}	87, 99, 111
Decimal	5730159
CIE _{Lab}	45.00, -8.78, -2.91
CIE _{LCh}	45, 9.247, 198.373
Yxy	14.5417, 0.2824, 0.3289
Android (android.graphics.Color)	4283920239 (0xFF576F6F)
YUV	103.8240, 3.5378, -14.7546
Hunter-Lab	38.1336, -8.3010, -0.0283

Details

The CIELCh color **45, 9.247, 198.373** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 10.580, 20.871**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 9.484, 198.621**, and **25, 9.010, 197.906** is the 20% darker color. If you saturate the color by 10%, you get **44, 13.075, 197.923**, and if you desaturate by 10%, it is **46, 5.111, 198.874**.

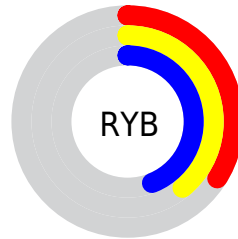
Distribution



Red (34%)

Green (44%)

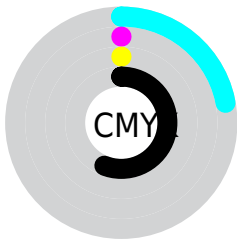
Blue (44%)



Red (34%)

Yellow (39%)

Blue (44%)

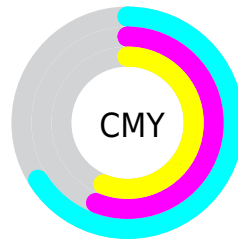


Cyan (22%)

Magenta (0%)

Yellow (0%)

Black (56%)



Cyan (66%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.247, 198.373 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, 9.247, 198.373 by changing the saturation by 10% instead.

■ 45, 9.247, 198.373

■ 45, 9.247, 198.373

■ 100, 9.247,
198.373

■ 35, 9.247, 198.373

■ 65, 9.247, 198.373

■ 25, 9.247, 198.373

■ 75, 9.247, 198.373

■ 15, 9.247, 198.373

■ 85, 9.247, 198.373

■ 5, 9.247, 198.373

■ 95, 9.247, 198.373

■ 0, 9.247, 198.373

■ 45, 9.247, 198.373

■ 45, 9.247, 198.373

■ 44, 13.075,
197.923

■ 46, 5.111, 198.874

■ 44, 16.528,

■ 47, 0.729, 199.807

197.532

48, 3.838, 19.760

43, 19.545,
197.198

49, 8.539, 20.374

43, 22.075,
196.921

50, 13.327, 20.967

42, 24.083,
196.704

51, 18.166, 21.562

42, 25.559,
196.546

54, 27.885, 22.756

42, 26.519,
196.443

55, 32.723, 23.348

42, 27.149,
196.376

Harmonies

Complementary

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



45, 9.247, 198.373



39, 10.580, 20.871

Rectangle

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



45, 9.247, 198.373



45, 9.247, 248.373



45, 9.247, 18.373



45, 9.247, 68.373

Sweetspot

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



45, 9.247, 198.367



60, 3.334, 199.209



44, 17.437, 142.716



31, 2.226, 199.176



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, 9.247, 198.367



58, 13.645, 198.134



41, 8.365, 256.515



23, 2.511, 199.024



45, 28.676, 196.376



89, 48.974, 196.376

Inverse Universe

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



39, 10.580, 20.871



49, 16.168, 21.361



43, 8.880, 71.100



22, 2.649, 19.852



24, 57.999, 37.787



52, 102.187, 39.998

Previews

White Background



This preview shows how the CIELCh color 45, 9.247, 198.373 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, 9.247, 198.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

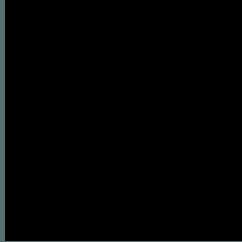
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 9.247, 198.373

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.247, 198.373.



This preview shows how white text looks on a background with the CIELCh color 45, 9.247, 198.373.

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, 9.247, 198.373

Protanopia

45, 1.459, 324.425

Deuteranopia

45, 7.489, 327.498



Tritanopia
45, 9.381, 233.776

Trichromacy



Original Color
45, 9.247, 198.373

Protanomaly
45, 3.249, 209.741

Deuteranomaly
45, 3.659, 278.086

Tritanomaly
45, 8.960, 222.252

Monochromacy



Original Color
45, 9.247, 198.373

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.617, 199.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.247, 198.373 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(87, 111, 111)` looks like.

```
.text, #text, p{  
    color:rgb(87, 111, 111)  
}
```

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(87, 111, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 111, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.247, 198.373 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(87, 111, 111) }
```

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

```
.border{ border-color:rgb(87, 111, 111) }
```

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

Here you see how a box with a 4 pixel rgb(87, 111, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 111, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 111, 111);  
box-shadow:4px 4px 4px 4px rgb(87, 111,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.247, 198.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 111, 111) }
```

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

```
.background{ background-color: rgb(87, 111,  
111) }
```

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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