Converting Colors

CIELCh(45, 9.247, 180.707)

Have a look what the booklet for CIELCh(45, 9.247, 180.707) contains.

Color

CIELCh(45, 9.252, 179.488)

Conversions

Conversions Part 1

Format	Color
Hex	596F6A
RGB	89, 111, 106
RGB Percent	35%, 44%, 42%
CMY	0.6509, 0.5646, 0.5842
CMYK	0.20, 0.00, 0.05, 0.56
HSL	166°, 11%, 39%
HSV	166°, 20%, 44%
XYZ	12.4132, 14.5417, 15.7961
YIQ	103.8520, -11.5070, -6.2190

Conversions

Conversions Part 2

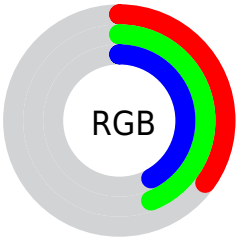
Format	Color
RYB	89, 101, 111
Decimal	5861226
CIELab	45.00, -9.25, 0.08
CIELCh	45, 9.252, 179.488
Yxy	14.5417, 0.2904, 0.3401
Android (android.graphics.Color)	4284051306 (0xFF596F6A)
YUV	103.8520, 1.0590, -13.0252
Hunter-Lab	38.1336, -8.6287, 2.1337

Details

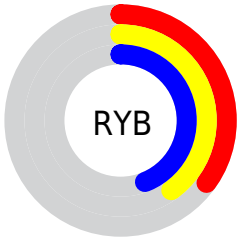
The CIELCh color 45, 9.252, 179.488 is a dark color, and the websafe version is hex 666666. A complement of this color would be 40, 9.916, 3.070, and the grayscale version is 44, 0.006, 296.813.

A 20% lighter version of the original color is 65, 9.593, 178.222, and 25, 8.967, 180.701 is the 20% darker color. If you saturate the color by 10%, you get 44, 13.678, 178.518, and if you desaturate by 10%, it is 46, 4.642, 180.418.

Distribution

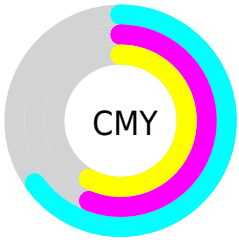


- Red (35%)
- Green (44%)
- Blue (42%)



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

- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (56%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.252, 179.488 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, 9.252, 179.488 by changing the saturation by 10% instead.

45, 9.252, 179.488

100, 9.252, 179.488

65, 9.252, 179.488

75, 9.252, 179.488

85, 9.252, 179.488

95, 9.252, 179.488

45, 9.252, 179.488

35, 9.252, 179.488

25, 9.252, 179.488

15, 9.252, 179.488

5, 9.252, 179.488

0, 9.252, 179.488

45, 9.252, 179.488

44, 13.678, 178.518

44, 17.849,

45, 9.252, 179.488

46, 4.642, 180.418

47, 0.091, 357.604

177.493

43, 21.694, 176.390

42, 25.143, 175.191

42, 28.139, 173.874

42, 30.648, 172.420

41, 32.660, 170.811

41, 34.400, 169.172

41, 34.432, 169.143

48, 4.891, 1.953

49, 9.715, 2.770

50, 14.526, 3.535

52, 19.298, 4.269

53, 24.011, 4.976

54, 28.650, 5.659

56, 33.207, 6.319

Harmonies

Complementary

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

45, 9.252, 179.488

40, 9.916, 3.070

Rectangle

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

45, 9.252, 179.488

45, 9.252, 229.488

45, 9.252, 359.488

45, 9.252, 49.488

Sweetspot

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

45, 9.253, 179.484

60, 3.551, 180.777

45, 14.913, 136.920

31, 2.373, 180.729

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, 9.253, 179.484

58, 13.866, 179.023

43, 7.078, 228.788

23, 2.685, 180.495

44, 36.446, 168.968

87, 63.250, 167.778

Inverse Universe

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

40, 9.916, 3.070

50, 15.131, 3.638

42, 7.931, 46.525

22, 2.770, 1.919

24, 51.363, 24.986

52, 90.033, 28.438

Previews

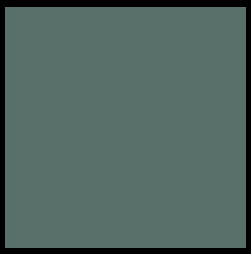
White Background

This preview shows how the CIELCh color 45, 9.252, 179.488 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



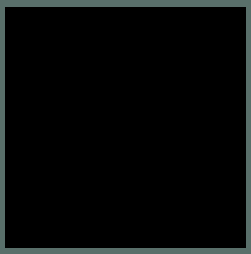
This preview shows how the CIELCh color 45, 9.252, 179.488 looks on a black background.

Color Contrast Check

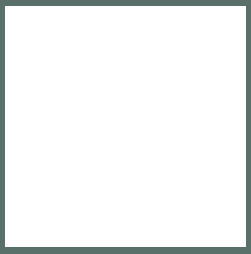
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 45, 9.252, 179.488 Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.252, 179.488.



This preview shows how white text looks on a background with the CIELCh color 45, 9.252, 179.488.

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, 9.252, 179.488

Protanopia
45, 2.166, 74.682

Deuteranopia
45, 6.164, 351.307

Tritanopia
45, 8.541, 237.974

Trichromacy

Original Color
45, 9.252, 179.488

Protanomaly
45, 3.444, 155.361

Deuteranomaly
45, 0.602, 290.330

Tritanomaly
45, 7.970, 216.119

Monochromacy

Original Color
45, 9.252, 179.488

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 3.477, 178.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.252, 179.488 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(89, 111, 106) looks like.

```
.text, #text, p{
    color:rgb(89, 111, 106)
}
```

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(89, 111, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 111, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.252, 179.488 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(89, 111, 106) }
```

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

```
.border{ border-color:rgb(89, 111, 106) }
```

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

Here you see how a box with a 4 pixel rgb(89, 111, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(89, 111, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(89, 111, 106); box-shadow:4px 4px 4px 4px rgb(89, 111, 106) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.252, 179.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(89, 111, 106) }
```

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

```
.background{ background-color:rgb(89, 111,
106) }
```

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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