

Converting Colors

CIELCh(45, 9.588, 314.292)

Have a look what the booklet for
CIELCh(45, 9.588, 314.292) contains.

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Color

CIELCh(45, 9.853, 315.163)

Conversions

Conversions Part 1

Format	Color
Hex	716776
RGB	113, 103, 118
RGB Percent	44%, 40%, 46%
CMY	0.5566, 0.5958, 0.5369
CMYK	0.04, 0.13, 0.00, 0.54
HSL	280°, 7%, 43%
HSV	280°, 13%, 46%
XYZ	14.9528, 14.5417, 19.1830
YIQ	107.7000, 1.1450, 6.7850

Conversions

Conversions Part 2

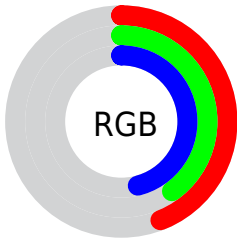
Format	Color
R_{YB}	113, 103, 118
Decimal	7432054
CIE _{Lab}	45.00, 6.99, -6.95
CIE _{LCh}	45, 9.853, 315.163
Yxy	14.5417, 0.3072, 0.2987
Android (android.graphics.Color)	4285622134 (0xFF716776)
YUV	107.7000, 5.0779, 4.6481
Hunter-Lab	38.1336, 3.2591, -3.1321

Details

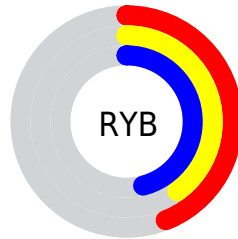
The CIELCh color **45, 9.853, 315.163** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 9.745, 134.159**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 9.856, 315.706**, and **25, 10.070, 314.643** is the 20% darker color. If you saturate the color by 10%, you get **41, 17.776, 315.583**, and if you desaturate by 10%, it is **49, 2.077, 314.718**.

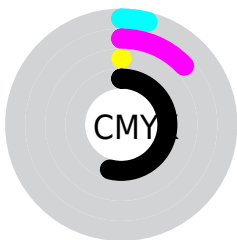
Distribution



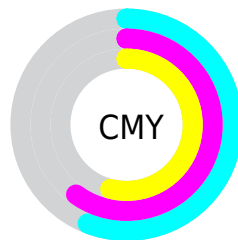
- Red (44%)
- Green (40%)
- Blue (46%)



- Red (44%)
- Yellow (40%)
- Blue (46%)



- Cyan (4%)
- Magenta (13%)
- Yellow (0%)
- Black (54%)



- Cyan (56%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.853, 315.163 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, 9.853, 315.163 by changing the saturation by 10% instead.

■ 45, 9.853, 315.163

■ 45, 9.853, 315.163

■ 100, 9.853,
315.163

■ 35, 9.853, 315.163

■ 65, 9.853, 315.163

■ 25, 9.853, 315.163

■ 75, 9.853, 315.163

■ 15, 9.853, 315.163

■ 85, 9.853, 315.163

■ 5, 9.853, 315.163

■ 95, 9.853, 315.163

■ 0, 9.853, 315.163

■ 45, 9.853, 315.163

■ 45, 9.853, 315.163

■ 41, 17.776,
315.583

■ 49, 2.077, 314.718

■ 38, 25.788,

■ 52, 5.513, 134.418

316.006

56, 12.903,
134.057

34, 33.785,
316.415

60, 20.085,
133.734

31, 41.609,
316.783

63, 27.063,
133.441

28, 49.024,
317.073

67, 33.840,
133.178

25, 55.709,
317.236

71, 40.425,
132.942

23, 61.281,
317.211

74, 46.827,
132.731

21, 65.376,
316.938

78, 53.056,
132.544

20, 68.054,
316.722

Harmonies

Complementary

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



45, 9.853, 315.163



48, 9.745, 134.159

Rectangle

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



45, 9.853, 315.163



45, 9.853, 5.163



45, 9.853, 135.163



45, 9.853, 185.163

Sweetspot

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



45, 9.852, 315.162



61, 3.803, 314.791



46, 6.111, 271.423



31, 2.688, 314.821



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 9.852, 315.162



56, 14.421, 315.274



45, 9.755, 329.547



23, 4.324, 315.008



21, 69.844, 316.685



46, 118.823, 316.144

Inverse Universe

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



45, 6.908, 354.804



57, 10.131, 355.080



48, 9.731, 148.085



23, 3.024, 354.431



25, 49.795, 15.857



53, 85.545, 19.202

Previews

White Background



This preview shows how the CIELCh color 45, 9.853, 315.163 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, 9.853, 315.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

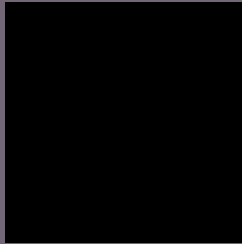
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 9.853, 315.163

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.853, 315.163.



This preview shows how white text looks on a background with the CIELCh color 45, 9.853, 315.163.

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, 9.853, 315.163

Protanopia

45, 8.377, 286.044

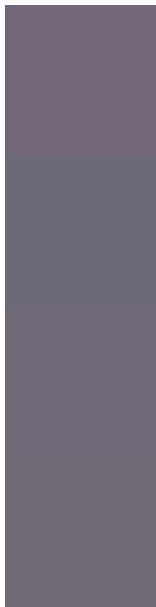
Deuteranopia

45, 8.985, 311.996



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color

45, 9.853, 315.163

Protanomaly

45, 8.415, 296.683

Deuteranomaly

45, 8.985, 311.996

Tritanomaly

45, 6.821, 319.158

Monochromacy



Original Color

45, 9.853, 315.163

Achromatopsia

46, 0.006, 296.813

Achromatomaly

45, 3.948, 314.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.853, 315.163 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(113, 103, 118)` looks like.

```
.text, #text, p{  
    color:rgb(113, 103, 118)  
}
```

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(113, 103, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 103, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.853, 315.163 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(113, 103, 118) }
```

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

```
.border{ border-color:rgb(113, 103, 118) }
```

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

Here you see how a box with a 4 pixel rgb(113, 103, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 103, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 103, 118);  
box-shadow:4px 4px 4px 4px rgb(113, 103,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.853, 315.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 103, 118) }
```

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

```
.background{ background-color: rgb(113,  
103, 118) }
```

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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