

Converting Colors

CIELCh(45, 4.609, 109.510)

Have a look what the booklet for
CIELCh(45, 4.609, 109.510) contains.

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Color

CIELCh(45, 4.751, 109.495)

Conversions

Conversions Part 1

Format	Color
Hex	6B6B63
RGB	107, 107, 99
RGB Percent	42%, 42%, 39%
CMY	0.5804, 0.5804, 0.6118
CMYK	0.00, 0.00, 0.07, 0.58
HSL	60°, 4%, 40%
HSV	60°, 7%, 42%
XYZ	13.5729, 14.5417, 13.8956
YIQ	106.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

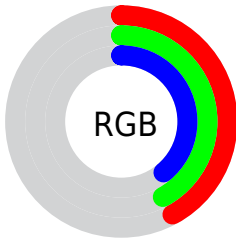
Format	Color
RYB	99, 107, 99
Decimal	7039843
CIELab	45.00, -1.59, 4.48
CIELCh	45, 4.751, 109.495
Yxy	14.5417, 0.3231, 0.3461
Android (android.graphics.Color)	4285229923 (0xFF6B6B63)
YUV	106.0880, -3.4944, 0.7998
Hunter-Lab	38.1336, -3.2001, 5.0886

Details

The CIELCh color $45, 4.751, 109.495$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 4.836, 290.908$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 4.428, 109.692$, and $25, 4.586, 109.204$ is the 20% darker color. If you saturate the color by 10%, you get $45, 11.087, 108.599$, and if you desaturate by 10%, it is $45, 1.613, 290.440$.

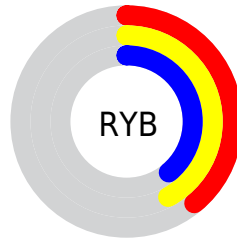
Distribution



Red (42%)

Green (42%)

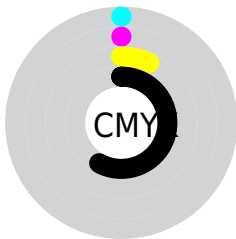
Blue (39%)



Red (39%)

Yellow (42%)

Blue (39%)

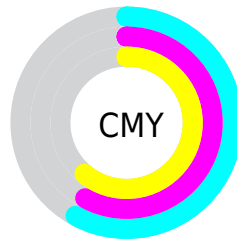


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (58%)



Cyan (58%)

Magenta (58%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.751, 109.495 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, 4.751, 109.495 by changing the saturation by 10% instead.

■ 45, 4.751, 109.495	■ 45, 4.751, 109.495
■ 100, 4.751, 109.495	■ 35, 4.751, 109.495
■ 65, 4.751, 109.495	■ 25, 4.751, 109.495
■ 75, 4.751, 109.495	■ 15, 4.751, 109.495
■ 85, 4.751, 109.495	■ 5, 4.751, 109.495
■ 95, 4.751, 109.495	■ 0, 4.751, 109.495

■ 45, 4.751, 109.495	■ 45, 4.751, 109.495
■ 45, 11.087, 108.599	■ 45, 1.613, 290.440
■ 44, 17.357,	■ 46, 7.983, 291.298

107.687

■ 46, 14.342,
292.147

■ 44, 23.509,
106.787

■ 46, 20.678,
292.964

■ 44, 29.459,
105.919

■ 47, 26.983,
293.746

■ 44, 35.087,
105.105

■ 47, 33.248,
294.490

■ 44, 40.214,
104.374

■ 48, 39.467,
295.196

■ 44, 44.604,
103.760

■ 48, 45.637,
295.861

■ 44, 47.986,
103.295

■ 49, 51.753,
296.488

■ 44, 50.497,
102.956

Harmonies

Complementary

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



45, 4.751, 109.495



42, 4.836, 290.908

Rectangle

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



45, 4.751, 109.495



45, 4.751, 159.495



45, 4.751, 289.495



45, 4.751, 339.495

Sweetspot

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



45, 4.752, 109.506



58, 1.583, 109.973



43, 3.368, 19.739



30, 0.907, 109.986



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 4.752, 109.506



58, 7.141, 109.346



45, 5.061, 128.775



22, 3.573, 109.373



48, 54.603, 102.869



94, 93.960, 102.870

Inverse Universe

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



42, 4.836, 290.908



54, 7.289, 291.087



43, 5.117, 309.365



20, 3.646, 291.057



11, 75.395, 306.289



31, 129.740, 306.288

Previews

White Background



This preview shows how the CIELCh color 45, 4.751, 109.495 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, 4.751, 109.495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

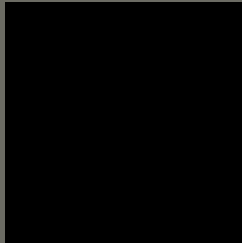
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

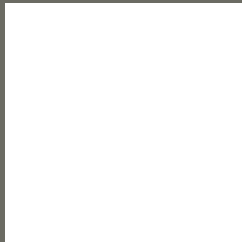
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 4.751, 109.495

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.751, 109.495.



This preview shows how white text looks on a background with the CIELCh color 45, 4.751, 109.495.

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, 4.751, 109.495

Protanopia

45, 5.040, 89.815

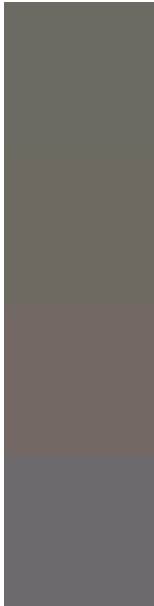
Deuteranopia

45, 7.064, 34.722



Tritanopia
45, 5.065, 309.349

Trichromacy



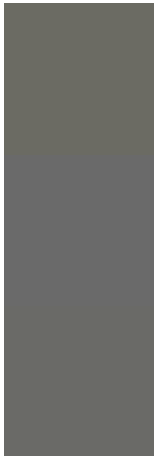
Original Color
45, 4.751, 109.495

Protanomaly
45, 4.915, 94.507

Deuteranomaly
45, 5.240, 46.773

Tritanomaly
45, 1.459, 324.425

Monochromacy



Original Color
45, 4.751, 109.495

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 1.782, 109.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.751, 109.495 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(107, 107, 99)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 99)  
}
```

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(107, 107, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.751, 109.495 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(107, 107, 99) }
```

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

```
.border{ border-color:rgb(107, 107, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 107, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 107, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 107, 99);  
box-shadow:4px 4px 4px 4px rgb(107, 107,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.751, 109.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 99) }
```

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

```
.background{ background-color: rgb(107,  
107, 99) }
```

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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