

Converting Colors

CIELCh(45, 7.875, 119.249)

Have a look what the booklet for
CIELCh(45, 7.875, 119.249) contains.

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Color

CIELCh(45, 7.825, 118.449)

Conversions

Conversions Part 1

Format	Color
Hex	696C5F
RGB	105, 108, 95
RGB Percent	41%, 42%, 37%
CMY	0.5884, 0.5766, 0.6276
CMYK	0.03, 0.00, 0.12, 0.58
HSL	74°, 6%, 40%
HSV	74°, 12%, 42%
XYZ	13.2419, 14.5417, 12.9250
YIQ	105.6210, 2.3850, -4.6790

Conversions

Conversions Part 2

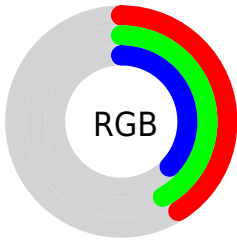
Format	Color
RYB	95, 108, 98
Decimal	6909023
CIELab	45.00, -3.73, 6.88
CIElCh	45, 7.825, 118.449
Yxy	14.5417, 0.3253, 0.3572
Android (android.graphics.Color)	4285099103 (0xFF696C5F)
YUV	105.6210, -5.2362, -0.5446
Hunter-Lab	38.1336, -4.7496, 6.5978

Details

The CIELCh color **45, 7.825, 118.449** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 8.014, 299.954**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 7.844, 117.978**, and **25, 7.973, 118.846** is the 20% darker color. If you saturate the color by 10%, you get **45, 14.293, 117.835**, and if you desaturate by 10%, it is **46, 1.323, 119.070**.

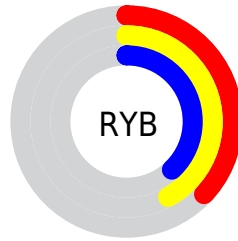
Distribution



Red (41%)

Green (42%)

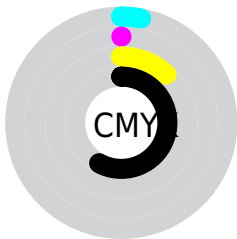
Blue (37%)



Red (37%)

Yellow (42%)

Blue (38%)

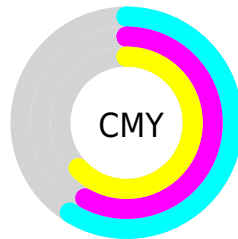


Cyan (3%)

Magenta (0%)

Yellow (12%)

Black (58%)



Cyan (59%)

Magenta (58%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 7.825, 118.449 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, 7.825, 118.449 by changing the saturation by 10% instead.

■ 45, 7.825, 118.449

■ 45, 7.825, 118.449

■ 100, 7.825,
118.449

■ 35, 7.825, 118.449

■ 65, 7.825, 118.449

■ 25, 7.825, 118.449

■ 75, 7.825, 118.449

■ 15, 7.825, 118.449

■ 85, 7.825, 118.449

■ 5, 7.825, 118.449

■ 95, 7.825, 118.449

■ 0, 7.825, 118.449

■ 45, 7.825, 118.449

■ 45, 7.825, 118.449

■ 45, 14.293,
117.835

■ 46, 1.323, 119.070

■ 44, 20.679,

■ 46, 5.184, 299.641

117.217

47, 11.673,
300.201

44, 26.918,
116.622

47, 18.127,
300.729

43, 32.914,
116.079

48, 24.533,
301.226

43, 38.526,
115.632

49, 30.883,
301.690

43, 43.556,
115.341

49, 37.168,
302.122

42, 47.751,
115.284

50, 43.383,
302.524

42, 50.864,
115.541

51, 49.524,
302.896

42, 53.081,
115.784

Harmonies

Complementary

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



45, 7.825, 118.449



41, 8.014, 299.954

Rectangle

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



45, 7.825, 118.449



45, 7.825, 168.449



45, 7.825, 298.449



45, 7.825, 348.449

Sweetspot

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



45, 7.826, 118.454



58, 3.220, 118.941



42, 4.670, 41.061



30, 2.307, 118.903



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, 7.826, 118.454



57, 11.274, 118.310



44, 8.703, 135.774



22, 3.628, 118.644



46, 56.338, 115.893



90, 97.276, 116.588

Inverse Universe

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



41, 8.014, 299.954



52, 11.595, 300.120



42, 8.779, 316.724



20, 3.695, 299.743



13, 73.633, 307.854



33, 127.503, 307.411

Previews

White Background



This preview shows how the CIELCh color 45, 7.825, 118.449 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, 7.825, 118.449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

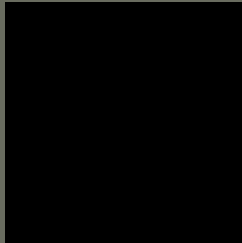
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

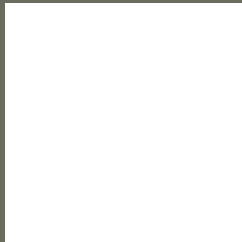
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 7.825, 118.449

Background



This preview shows how black text looks on a background with the CIELCh color 45, 7.825, 118.449.



This preview shows how white text looks on a background with the CIELCh color 45, 7.825, 118.449.

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, 7.825, 118.449

Protanopia

45, 7.441, 92.342

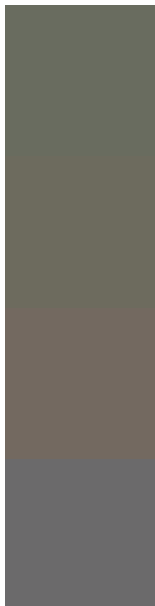
Deuteranopia

45, 8.481, 49.367



Tritanopia
45, 5.529, 303.456

Trichromacy



Original Color

45, 7.825, 118.449

Protanomaly

45, 7.757, 102.724

Deuteranomaly

45, 6.868, 70.618

Tritanomaly

45, 0.733, 324.268

Monochromacy



Original Color

45, 7.825, 118.449

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 3.003, 117.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 7.825, 118.449 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(105, 108, 95)` looks like.

```
.text, #text, p{  
    color:rgb(105, 108, 95)  
}
```

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(105, 108, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 108, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 7.825, 118.449 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(105, 108, 95) }
```

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

```
.border{ border-color:rgb(105, 108, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 108, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 108, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 108, 95);  
box-shadow:4px 4px 4px 4px rgb(105, 108,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 7.825, 118.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 108, 95) }
```

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

```
.background{ background-color: rgb(105,  
108, 95) }
```

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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