

Converting Colors

CIELCh(45, 9.142, 121.348)

Have a look what the booklet for
CIELCh(45, 9.142, 121.348) contains.

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Color

CIELCh(45, 9.070, 119.754)

Conversions

Conversions Part 1

Format	Color
Hex	686C5D
RGB	104, 108, 93
RGB Percent	41%, 42%, 36%
CMY	0.5910, 0.5753, 0.6342
CMYK	0.04, 0.00, 0.14, 0.58
HSL	76°, 7%, 40%
HSV	76°, 14%, 42%
XYZ	13.1237, 14.5417, 12.5367
YIQ	105.0940, 2.4310, -5.5130

Conversions

Conversions Part 2

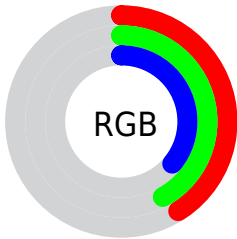
Format	Color
RYB	93, 108, 97
Decimal	6843485
CIELab	45.00, -4.50, 7.87
CIElCh	45, 9.070, 119.754
Yxy	14.5417, 0.3264, 0.3617
Android (android.graphics.Color)	4285033565 (0xFF686C5D)
YUV	105.0940, -5.9623, -0.9594
Hunter-Lab	38.1336, -5.3029, 7.2015

Details

The CIELCh color $45, 9.070, 119.754$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 9.312, 301.390$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 9.004, 119.302$, and $25, 9.344, 120.090$ is the 20% darker color. If you saturate the color by 10%, you get $45, 15.579, 119.173$, and if you desaturate by 10%, it is $46, 2.524, 120.339$.

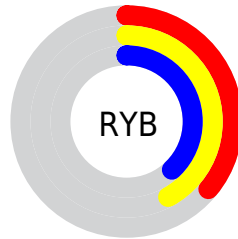
Distribution



Red (41%)

Green (42%)

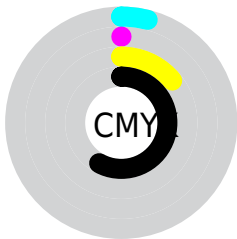
Blue (36%)



Red (36%)

Yellow (42%)

Blue (38%)

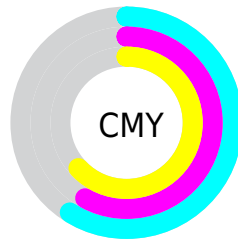


Cyan (4%)

Magenta (0%)

Yellow (14%)

Black (58%)



Cyan (59%)

Magenta (58%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.070, 119.754 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, 9.070, 119.754 by changing the saturation by 10% instead.

■ 45, 9.070, 119.754

■ 45, 9.070, 119.754

■ 100, 9.070,
119.754

■ 35, 9.070, 119.754

■ 65, 9.070, 119.754

■ 25, 9.070, 119.754

■ 75, 9.070, 119.754

■ 15, 9.070, 119.754

■ 85, 9.070, 119.754

■ 5, 9.070, 119.754

■ 95, 9.070, 119.754

■ 0, 9.070, 119.754

■ 45, 9.070, 119.754

■ 45, 9.070, 119.754

■ 45, 15.579,
119.173

■ 46, 2.524, 120.339

■ 44, 21.999,

■ 46, 4.029, 300.877

118.591

47, 10.564,
301.407

44, 28.260,
118.036

47, 17.060,
301.905

43, 34.258,
117.542

48, 23.507,
302.371

43, 39.844,
117.156

49, 29.893,
302.806

43, 44.808,
116.945

49, 36.210,
303.209

42, 48.891,
116.996

50, 42.454,
303.582

42, 51.916,
117.367

51, 48.619,
303.927

42, 53.684,
117.585

Harmonies

Complementary

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



45, 9.070, 119.754



40, 9.312, 301.390

Rectangle

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



45, 9.070, 119.754



45, 9.070, 169.754



45, 9.070, 299.754



45, 9.070, 349.754

Sweetspot

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



45, 9.071, 119.759



58, 3.234, 120.324



42, 5.313, 46.746



30, 2.317, 120.289



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, 9.071, 119.759



57, 13.749, 119.548



44, 10.199, 137.217



22, 3.645, 120.044



45, 56.860, 117.701



89, 98.265, 118.469

Inverse Universe

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



40, 9.312, 301.390



50, 14.208, 301.636



41, 10.280, 318.358



20, 3.711, 301.071



13, 73.224, 308.266



33, 126.843, 307.777

Previews

White Background



This preview shows how the CIELCh color 45, 9.070, 119.754 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, 9.070, 119.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

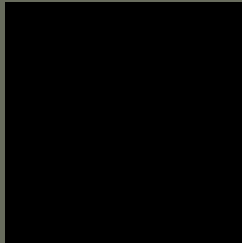
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

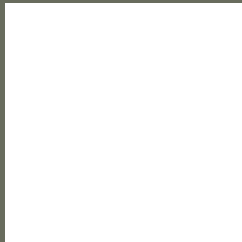
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 9.070, 119.754

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.070, 119.754.

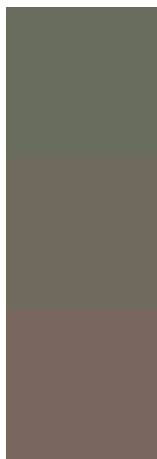


This preview shows how white text looks on a background with the CIELCh color 45, 9.070, 119.754.

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, 9.070, 119.754

Protanopia

45, 8.709, 91.596

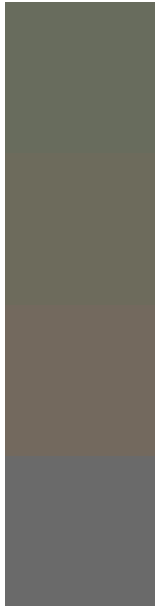
Deuteranopia

45, 9.542, 54.036



Tritanopia
45, 5.452, 299.350

Trichromacy



Original Color

45, 9.070, 119.754

Protanomaly

45, 8.936, 103.360

Deuteranomaly

45, 7.848, 75.754

Tritanomaly

45, 0.006, 296.813

Monochromacy



Original Color

45, 9.070, 119.754

Achromatopsia

44, 0.006, 296.813

Achromatomaly

45, 3.008, 117.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.070, 119.754 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(104, 108, 93)` looks like.

```
.text, #text, p{  
    color:rgb(104, 108, 93)  
}
```

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(104, 108, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 108, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.070, 119.754 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(104, 108, 93) }
```

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

```
.border{ border-color:rgb(104, 108, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 108, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 108, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 108, 93);  
box-shadow:4px 4px 4px 4px rgb(104, 108,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.070, 119.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 108, 93) }
```

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

```
.background{ background-color: rgb(104,  
108, 93) }
```

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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