

Converting Colors

CIELCh(45, 11.797, 119.076)

Have a look what the booklet for
CIELCh(45, 11.797, 119.076)
contains.

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Color

CIELCh(45, 12.036, 118.828)

Conversions

Conversions Part 1

Format	Color
Hex	686D59
RGB	104, 109, 89
RGB Percent	41%, 43%, 35%
CMY	0.5930, 0.5734, 0.6518
CMYK	0.05, 0.00, 0.18, 0.57
HSL	75°, 10%, 39%
HSV	75°, 18%, 43%
XYZ	12.9263, 14.5417, 11.5327
YIQ	105.2250, 3.4400, -7.2800

Conversions

Conversions Part 2

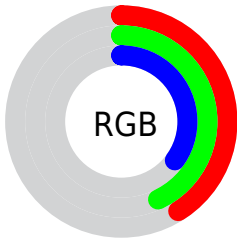
Format	Color
RYB	89, 109, 94
Decimal	6843737
CIELab	45.00, -5.80, 10.54
CIELCh	45, 12.036, 118.828
Yxy	14.5417, 0.3314, 0.3729
Android (android.graphics.Color)	4285033817 (0xFF686D59)
YUV	105.2250, -7.9989, -1.0743
Hunter-Lab	38.1336, -6.2270, 8.7626

Details

The CIELCh color $45, 12.036, 118.828$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $39, 12.469, 301.106$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 11.783, 118.641$, and $25, 12.570, 118.771$ is the 20% darker color. If you saturate the color by 10%, you get $45, 18.519, 118.230$, and if you desaturate by 10%, it is $46, 5.494, 119.430$.

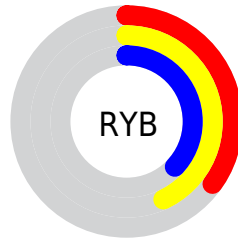
Distribution



Red (41%)

Green (43%)

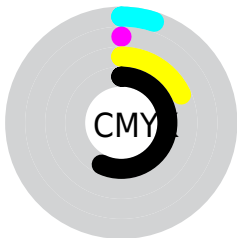
Blue (35%)



Red (35%)

Yellow (43%)

Blue (37%)

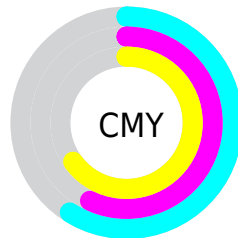


Cyan (5%)

Magenta (0%)

Yellow (18%)

Black (57%)



Cyan (59%)


Magenta (57%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.036, 118.828 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, 12.036, 118.828 by changing the saturation by 10% instead.

 45, 12.036,
118.828


 45, 12.036,
118.828


 100, 12.036,
118.828


 35, 12.036,
118.828

 65, 12.036,
118.828


 25, 12.036,
118.828

 75, 12.036,
118.828

 15, 12.036,
118.828


 85, 12.036,
118.828

 5, 12.036, 118.828

 95, 12.036,
118.828

 0, 12.036, 118.828

 45, 12.036,

 45, 12.036,

118.828

118.828

■ 45, 18.519,
118.230

■ 46, 5.494, 119.430

■ 44, 24.882,
117.642

■ 46, 1.071, 299.989

■ 47, 7.629, 300.560

■ 44, 31.042,
117.094

■ 47, 14.159,
301.089

■ 43, 36.874,
116.625

■ 48, 20.646,
301.586

■ 43, 42.202,
116.292

■ 49, 27.079,
302.052

■ 43, 46.788,
116.168

■ 49, 33.449,
302.485

■ 43, 50.364,
116.340

■ 50, 39.750,
302.888

■ 42, 53.160,
116.720

■ 51, 45.976,

■ 42, 53.631,
116.768

303.260

Harmonies

Complementary

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



45, 12.036, 118.828



39, 12.469, 301.106

Rectangle

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



45, 12.036, 118.828



45, 12.036, 168.828



45, 12.036, 298.828



45, 12.036, 348.828

Sweetspot

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



45, 12.037, 118.832



58, 4.844, 119.562



41, 7.238, 44.686



30, 3.239, 119.536



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, 12.037, 118.832



57, 17.725, 118.579



44, 13.528, 136.495



22, 3.637, 119.397



45, 56.612, 116.872



90, 97.794, 117.608

Inverse Universe

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



39, 12.469, 301.106



48, 18.519, 301.421



40, 13.674, 318.033



20, 3.703, 300.456



13, 73.418, 308.068



33, 127.159, 307.600

Previews

White Background



This preview shows how the CIELCh color 45, 12.036, 118.828 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, 12.036, 118.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

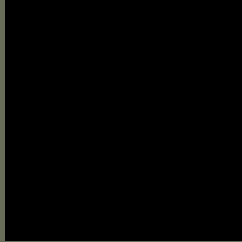
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

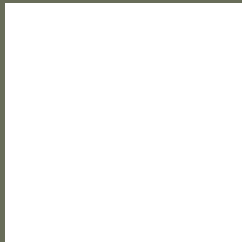
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 12.036, 118.828

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.036, 118.828.



This preview shows how white text looks on a background with the CIELCh color 45, 12.036, 118.828.

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, 12.036, 118.828

Protanopia

45, 11.002, 94.788

Deuteranopia

45, 11.439, 58.516



Tritanopia
45, 5.452, 299.350

Trichromacy



Original Color
45, 12.036, 118.828

Protanomaly
45, 11.291, 104.125

Deuteranomaly
45, 9.644, 78.960

Tritanomaly
45, 0.590, 110.025

Monochromacy



Original Color
45, 12.036, 118.828

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 4.190, 115.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.036, 118.828 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, 109, 89)` looks like.

```
.text, #text, p{  
    color:rgb(104, 109, 89)  
}
```

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, 109, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 109, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.036, 118.828 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, 109, 89) }
```

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

```
.border{ border-color:rgb(104, 109, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 109, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 109, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 109, 89);  
box-shadow:4px 4px 4px 4px rgb(104, 109,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.036, 118.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 109, 89) }
```

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

```
.background{ background-color: rgb(104,  
109, 89) }
```

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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