

Converting Colors

CIELCh(45, 3.311, 92.625)

Have a look what the booklet for
CIELCh(45, 3.311, 92.625) contains.

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Color

CIELCh(45, 3.218, 86.727)

Conversions

Conversions Part 1

Format	Color
Hex	6D6A65
RGB	109, 106, 101
RGB Percent	43%, 42%, 40%
CMY	0.5720, 0.5837, 0.6033
CMYK	0.00, 0.03, 0.07, 0.57
HSL	38°, 4%, 41%
HSV	38°, 7%, 43%
XYZ	13.8505, 14.5417, 14.4263
YIQ	106.3270, 3.3930, -0.9190

Conversions

Conversions Part 2

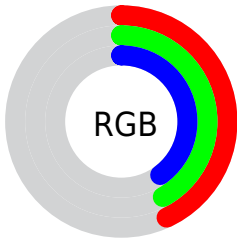
Format	Color
RYB	106, 109, 101
Decimal	7170661
CIELab	45.00, 0.18, 3.21
CIELCh	45, 3.218, 86.727
Yxy	14.5417, 0.3235, 0.3396
Android (android.graphics.Color)	4285360741 (0xFF6D6A65)
YUV	106.3270, -2.6262, 2.3442
Hunter-Lab	38.1336, -1.9010, 4.2635

Details

The CIELCh color $45, 3.218, 86.727$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 3.212, 268.626$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 2.992, 86.961$, and $25, 3.565, 86.200$ is the 20% darker color. If you saturate the color by 10%, you get $44, 7.713, 85.564$, and if you desaturate by 10%, it is $46, 1.164, 268.131$.

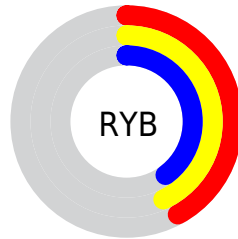
Distribution



Red (43%)

Green (42%)

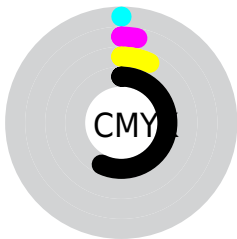
Blue (40%)



Red (42%)

Yellow (43%)

Blue (40%)

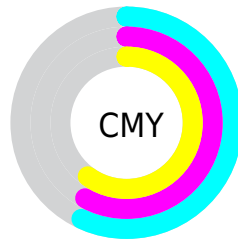


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (57%)



Cyan (57%)

Magenta (58%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 3.218, 86.727 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, 3.218, 86.727 by changing the saturation by 10% instead.

■ 45, 3.218, 86.727 ■ 45, 3.218, 86.727

■ 100, 3.218, 86.727 ■ 35, 3.218, 86.727

■ 65, 3.218, 86.727 ■ 25, 3.218, 86.727

■ 75, 3.218, 86.727 ■ 15, 3.218, 86.727

■ 85, 3.218, 86.727 ■ 5, 3.218, 86.727

■ 95, 3.218, 86.727 ■ 0, 3.218, 86.727

■ 45, 3.218, 86.727 ■ 45, 3.218, 86.727

■ 44, 7.713, 85.564 ■ 46, 1.164, 268.131

■ 42, 12.319, 84.318 ■ 48, 5.441, 269.148

■ 41, 17.030, 83.033 ■ 50, 9.620, 270.223

■ 39, 21.822, 81.712

■ 51, 13.709,
271.260

■ 38, 26.642, 80.348

■ 53, 17.715,
272.251

■ 37, 31.388, 78.922

■ 35, 35.868, 77.387

■ 54, 21.646,
273.196

■ 34, 39.764, 75.647

■ 56, 25.508,
274.094

■ 33, 43.115, 73.781

■ 57, 29.308,
274.947

■ 59, 33.051,
275.756

Harmonies

Complementary

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



45, 3.218, 86.727



44, 3.212, 268.626

Rectangle

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



45, 3.218, 86.727



45, 3.218, 136.727



45, 3.218, 266.727



45, 3.218, 316.727

Sweetspot

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



45, 3.219, 86.750



59, 1.083, 87.236



44, 3.810, 351.003



30, 0.611, 87.238



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, 3.219, 86.750



58, 4.939, 86.531



46, 4.757, 114.216



22, 2.434, 86.567



35, 46.486, 73.117



71, 80.099, 71.128

Inverse Universe

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



44, 3.212, 268.626



56, 4.919, 268.866



43, 4.838, 295.327



21, 2.425, 268.827



20, 49.316, 292.479



45, 90.239, 294.812

Previews

White Background



This preview shows how the CIELCh color 45, 3.218, 86.727 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, 3.218, 86.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

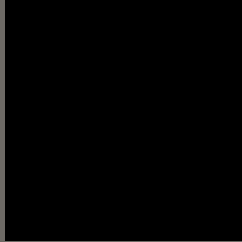
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 3.218, 86.727

Background



This preview shows how black text looks on a background with the CIELCh color 45, 3.218, 86.727.



This preview shows how white text looks on a background with the CIELCh color 45, 3.218, 86.727.

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, 3.218, 86.727

Protanopia

45, 3.403, 80.155

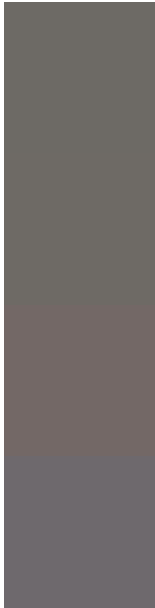
Deuteranopia

45, 6.380, 25.460



Tritanopia
45, 6.106, 318.447

Trichromacy



Original Color

45, 3.218, 86.727

Protanomaly

45, 3.403, 80.155

Deuteranomaly

45, 4.786, 34.229

Tritanomaly

45, 3.163, 330.730

Monochromacy



Original Color

45, 3.218, 86.727

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.252, 90.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 3.218, 86.727 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(109, 106, 101)` looks like.

```
.text, #text, p{  
    color:rgb(109, 106, 101)  
}
```

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(109, 106, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 106, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 3.218, 86.727 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(109, 106, 101) }
```

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

```
.border{ border-color:rgb(109, 106, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 106, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 106, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 106, 101);  
box-shadow:4px 4px 4px 4px rgb(109, 106,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 3.218, 86.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 106, 101) }
```

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

```
.background{ background-color: rgb(109,  
106, 101) }
```

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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