

Converting Colors

CIELCh(45, 11.870, 325.473)

Have a look what the booklet for
CIELCh(45, 11.870, 325.473)
contains.

CIELCh(45, 12.270, 325.179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 12.270, 325.179)

Conversions

Conversions Part 1

Format	Color
Hex	766576
RGB	118, 101, 118
RGB Percent	46%, 40%, 46%
CMY	0.5362, 0.6029, 0.5362
CMYK	0.00, 0.14, 0.00, 0.54
HSL	300°, 8%, 43%
HSV	300°, 14%, 46%
XYZ	15.4716, 14.5417, 19.2133
YIQ	108.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

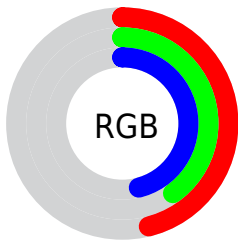
Format	Color
R_{YB}	118, 101, 118
Decimal	7759222
CIE _{Lab}	45.00, 10.07, -7.01
CIE _{LCh}	45, 12.270, 325.179
Yxy	14.5417, 0.3143, 0.2954
Android (android.graphics.Color)	4285949302 (0xFF766576)
YUV	108.0210, 4.9196, 8.7516
Hunter-Lab	38.1336, 5.6874, -3.1793

Details

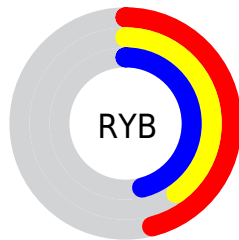
The CIELCh color $45, 12.270, 325.179$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 12.255, 143.621$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.137, 324.994$, and $25, 12.663, 325.542$ is the 20% darker color. If you saturate the color by 10%, you get $42, 20.841, 325.704$, and if you desaturate by 10%, it is $48, 3.718, 324.624$.

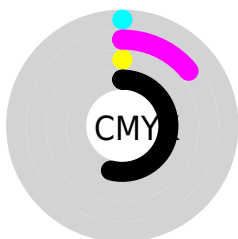
Distribution



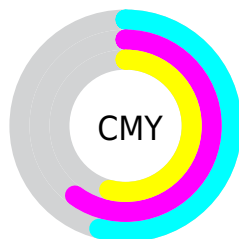
- Red (46%)
- Green (40%)
- Blue (46%)



- Red (46%)
- Yellow (40%)
- Blue (46%)



- Cyan (0%)
- Magenta (14%)
- Yellow (0%)
- Black (54%)





- Cyan (54%)
- Magenta (60%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.270, 325.179 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, 12.270, 325.179 by changing the saturation by 10% instead.


 45, 12.270,
325.179


 45, 12.270,
325.179


 100, 12.270,
325.179


 35, 12.270,
325.179

 65, 12.270,
325.179


 25, 12.270,
325.179

 75, 12.270,
325.179

 15, 12.270,
325.179

 85, 12.270,
325.179

 5, 12.270, 325.179

 95, 12.270,
325.179

 0, 12.270, 325.179

 45, 12.270,

 45, 12.270,

325.179

42, 20.841,
325.704

39, 29.294,
326.210

36, 37.432,
326.686

34, 45.005,
327.120

31, 51.722,
327.495

30, 57.286,
327.798

28, 61.450,
328.021

28, 64.161,
328.165

325.179

48, 3.718, 324.624

52, 4.714, 144.192

55, 12.965,
143.665

59, 20.999,
143.175

62, 28.797,
142.709

66, 36.354,
142.268

69, 43.673,
141.853

73, 50.760,
141.464

■ 27, 65.495,
328.234

■ 76, 57.625,
141.101

Harmonies

Complementary

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



45, 12.270, 325.179



48, 12.255, 143.621

Rectangle

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



45, 12.270, 325.179



45, 12.270, 15.179



45, 12.270, 145.179



45, 12.270, 195.179

Sweetspot

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



45, 12.268, 325.179



62, 4.192, 324.606



43, 10.227, 291.645



31, 2.962, 324.646



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 12.268, 325.179



56, 17.928, 325.340



45, 8.670, 344.789



23, 4.757, 324.891



28, 67.127, 328.234



59, 113.807, 328.235

Inverse Universe

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



45, 12.268, 325.179



56, 17.928, 325.340



48, 8.519, 162.513



23, 4.757, 324.891



28, 67.127, 328.234



59, 113.807, 328.235

Previews

White Background



This preview shows how the CIELCh color 45, 12.270, 325.179 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, 12.270, 325.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

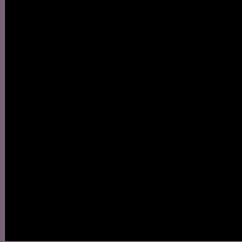
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.270, 325.179

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.270, 325.179.



This preview shows how white text looks on a background with the CIELCh color 45, 12.270, 325.179.

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, 12.270, 325.179

Protanopia

45, 8.970, 286.496

Deuteranopia

45, 8.985, 311.996



Tritanopia
45, 7.486, 340.853

Trichromacy



Original Color
45, 12.270, 325.179

Protanomaly
45, 9.796, 303.023

Deuteranomaly
45, 10.021, 317.280

Tritanomaly
45, 9.433, 331.268

Monochromacy



Original Color
45, 12.270, 325.179

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.351, 324.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.270, 325.179 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(118, 101, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 101, 118)  
}
```

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(118, 101, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 101, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.270, 325.179 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(118, 101, 118) }
```

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

```
.border{ border-color:rgb(118, 101, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 101, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 101, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 101, 118);  
box-shadow:4px 4px 4px 4px rgb(118, 101,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.270, 325.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 101, 118) }
```

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

```
.background{ background-color: rgb(118,  
101, 118) }
```

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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