

Converting Colors

CIELCh(45, 16.805, 162.708)

Have a look what the booklet for
CIELCh(45, 16.805, 162.708)
contains.

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Color

CIELCh(45, 16.958, 163.268)

Conversions

Conversions Part 1

Format	Color
Hex	4F7262
RGB	79, 114, 98
RGB Percent	31%, 45%, 38%
CMY	0.6907, 0.5534, 0.6162
CMYK	0.31, 0.00, 0.14, 0.55
HSL	153°, 18%, 38%
HSV	153°, 31%, 45%
XYZ	11.4153, 14.5417, 13.7292
YIQ	101.7110, -15.7240, -12.3960

Conversions

Conversions Part 2

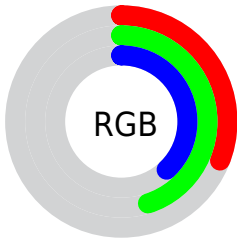
Format	Color
R_{YB}	79, 102, 114
Decimal	5206626
CIE _{Lab}	45.00, -16.24, 4.88
CIE _{LCh}	45, 16.958, 163.268
Yxy	14.5417, 0.2876, 0.3664
Android (android.graphics.Color)	4283396706 (0xFF4F7262)
YUV	101.7110, -1.8295, -19.9175
Hunter-Lab	38.1336, -13.2997, 5.3473

Details

The CIELCh color $45, 16.958, 163.268$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 17.729, 348.860$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 16.867, 163.911$, and $25, 17.032, 163.904$ is the 20% darker color. If you saturate the color by 10%, you get $44, 22.224, 162.157$, and if you desaturate by 10%, it is $46, 11.518, 164.269$.

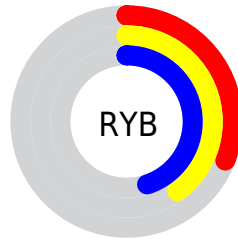
Distribution



Red (31%)

Green (45%)

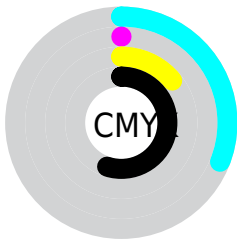
Blue (38%)



Red (31%)

Yellow (40%)

Blue (45%)

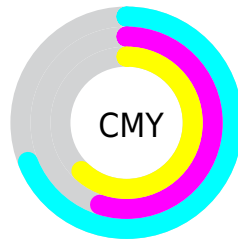


Cyan (31%)

Magenta (0%)

Yellow (14%)

Black (55%)



Cyan (69%)


Magenta (55%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 16.958, 163.268 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, 16.958, 163.268 by changing the saturation by 10% instead.


 45, 16.958,
163.268


 45, 16.958,
163.268


 100, 16.958,
163.268


 35, 16.958,
163.268

 65, 16.958,
163.268


 25, 16.958,
163.268

 75, 16.958,
163.268

 15, 16.958,
163.268

 85, 16.958,
163.268

 5, 16.958, 163.268

 95, 16.958,
163.268

 0, 16.958, 163.268

 45, 16.958,

 45, 16.958,

163.268

163.268

■ 44, 22.224,
162.157

■ 46, 11.518,
164.269

■ 44, 27.229,
160.918

■ 47, 5.978, 165.193

■ 43, 31.890,
159.529

■ 48, 0.405, 166.659

■ 49, 5.148, 346.672

■ 43, 36.131,
157.967

■ 50, 10.637,
347.401

■ 42, 39.896,
156.217

■ 52, 16.033,
348.063

■ 42, 43.165,
154.274

■ 53, 21.314,
348.680

■ 42, 45.950,
152.492

■ 54, 26.465,
349.260

■ 56, 31.478,

Harmonies

Complementary

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



45, 16.958, 163.268



38, 17.729, 348.860

Rectangle

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



45, 16.958, 163.268



45, 16.958, 213.268



45, 16.958, 343.268



45, 16.958, 33.268

Sweetspot

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



45, 16.959, 163.267



60, 6.210, 165.328



46, 22.079, 128.890



31, 4.287, 165.224



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 16.959, 163.267



57, 25.102, 162.477



45, 12.574, 201.212



23, 3.094, 165.351



44, 47.788, 152.353



86, 83.897, 150.950

Inverse Universe

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



38, 17.729, 348.860



46, 26.501, 349.703



38, 15.396, 24.307



22, 3.138, 346.711



25, 48.355, 4.190



53, 82.500, 7.076

Previews

White Background



This preview shows how the CIELCh color 45, 16.958, 163.268 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, 16.958, 163.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

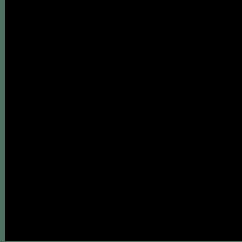
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

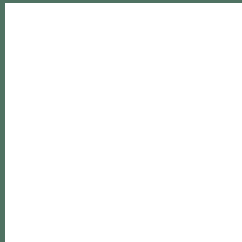
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 16.958, 163.268

Background



This preview shows how black text looks on a background with the CIELCh color 45, 16.958, 163.268.



This preview shows how white text looks on a background with the CIELCh color 45, 16.958, 163.268.

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, 16.958, 163.268

Protanopia

45, 7.441, 92.342

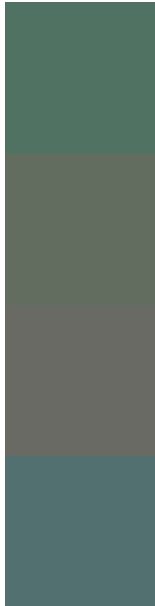
Deuteranopia

45, 7.356, 29.511



Tritanopia
45, 11.416, 226.644

Trichromacy



Original Color
45, 16.958, 163.268

Protanomaly
45, 9.353, 135.663

Deuteranomaly
44, 4.258, 120.910

Tritanomaly
45, 11.349, 198.136

Monochromacy



Original Color
45, 16.958, 163.268

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.130, 162.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 16.958, 163.268 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(79, 114, 98)` looks like.

```
.text, #text, p{  
    color:rgb(79, 114, 98)  
}
```

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(79, 114, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 114, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 16.958, 163.268 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(79, 114, 98) }
```

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

```
.border{ border-color:rgb(79, 114, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 114, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 114, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 114, 98);  
box-shadow:4px 4px 4px 4px rgb(79, 114,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 16.958, 163.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 114, 98) }
```

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

```
.background{ background-color: rgb(79, 114,  
98) }
```

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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