

Converting Colors

CIELCh(45, 17.953, 117.592)

Have a look what the booklet for
CIELCh(45, 17.953, 117.592)
contains.

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Color

CIELCh(45, 17.926, 117.606)

Conversions

Conversions Part 1

Format	Color
Hex	676E50
RGB	103, 110, 80
RGB Percent	40%, 43%, 31%
CMY	0.5971, 0.5696, 0.6872
CMYK	0.06, 0.00, 0.27, 0.57
HSL	74°, 16%, 37%
HSV	74°, 27%, 43%
XYZ	12.5524, 14.5417, 9.6881
YIQ	104.4870, 5.4580, -10.8140

Conversions

Conversions Part 2

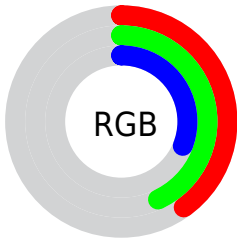
Format	Color
R_{YB}	80, 110, 87
Decimal	6778448
CIE _{Lab}	45.00, -8.31, 15.89
CIE _{LCh}	45, 17.926, 117.606
Yxy	14.5417, 0.3413, 0.3953
Android (android.graphics.Color)	4284968528 (0xFF676E50)
YUV	104.4870, -12.0721, -1.3041
Hunter-Lab	38.1336, -7.9769, 11.6305

Details

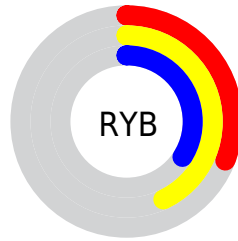
The CIELCh color $45, 17.926, 117.606$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $36, 18.940, 301.225$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.453, 118.353$, and $25, 17.611, 116.363$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.333, 117.001$, and if you desaturate by 10%, it is $45, 11.407, 118.228$.

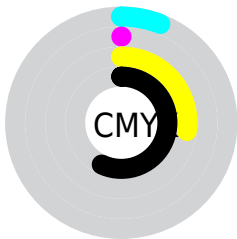
Distribution



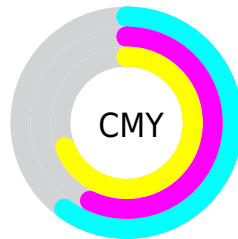
- Red (40%)
- Green (43%)
- Blue (31%)



- Red (31%)
- Yellow (43%)
- Blue (34%)



- Cyan (6%)
- Magenta (0%)
- Yellow (27%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 17.926, 117.606 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, 17.926, 117.606 by changing the saturation by 10% instead.

 45, 17.926,
117.606

 45, 17.926,
117.606

 100, 17.926,
117.606


 35, 17.926,
117.606

 65, 17.926,
117.606


 25, 17.926,
117.606

 75, 17.926,
117.606

 15, 17.926,
117.606

 85, 17.926,
117.606

 5, 17.926, 117.606

 95, 17.926,
117.606

 0, 17.926, 117.606

 45, 17.926,

 45, 17.926,

117.606

117.606

■ 45, 24.333,
117.001

■ 45, 11.407,
118.228

■ 44, 30.543,
116.431

■ 46, 4.828, 118.843

■ 44, 36.436,
115.935

■ 46, 1.771, 299.427

■ 47, 8.363, 300.005

■ 44, 41.839,
115.566

■ 48, 14.926,
300.548

■ 43, 46.517,
115.395

■ 48, 21.448,
301.059

■ 43, 50.199,
115.506

■ 49, 27.916,
301.539

■ 43, 52.981,
115.861

■ 50, 34.322,
301.986

■ 43, 53.743,
115.937

■ 50, 40.659,

Harmonies

Complementary

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



45, 17.926, 117.606



36, 18.940, 301.225

Rectangle

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



45, 17.926, 117.606



45, 17.926, 167.606



45, 17.926, 297.606



45, 17.926, 347.606

Sweetspot

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



45, 17.927, 117.609



59, 6.543, 118.789



39, 11.304, 42.672



30, 4.618, 118.715



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, 17.927, 117.609



57, 26.766, 117.207



44, 20.175, 135.539



23, 3.774, 118.739



47, 57.255, 116.052



91, 98.113, 116.732

Inverse Universe

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



36, 18.940, 301.225



43, 28.711, 301.800



37, 20.517, 317.886



21, 3.844, 299.843



13, 74.766, 307.863



33, 128.470, 307.431

Previews

White Background



This preview shows how the CIELCh color 45, 17.926, 117.606 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, 17.926, 117.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

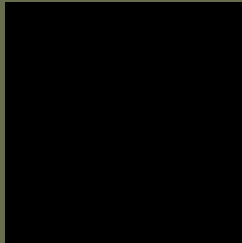
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 17.926, 117.606

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.926, 117.606.



This preview shows how white text looks on a background with the CIELCh color 45, 17.926, 117.606.

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, 17.926, 117.606

Protanopia

45, 16.964, 95.464

Deuteranopia

45, 16.444, 68.849



Tritanopia
45, 5.452, 299.350

Trichromacy



Original Color
45, 17.926, 117.606

Protanomaly
45, 16.592, 103.144

Deuteranomaly
45, 15.261, 87.358

Tritanomaly
45, 3.093, 125.306

Monochromacy



Original Color
45, 17.926, 117.606

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.608, 116.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.926, 117.606 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(103, 110, 80)` looks like.

```
.text, #text, p{  
    color:rgb(103, 110, 80)  
}
```

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(103, 110, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 110, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.926, 117.606 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(103, 110, 80) }
```

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

```
.border{ border-color:rgb(103, 110, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 110, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 110, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 110, 80);  
box-shadow:4px 4px 4px 4px rgb(103, 110,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.926, 117.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 110, 80) }
```

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

```
.background{ background-color: rgb(103,  
110, 80) }
```

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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