

Converting Colors

CIELCh(45, 18.880, 113.229)

Have a look what the booklet for
CIELCh(45, 18.880, 113.229)
contains.

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Color

CIELCh(45, 18.906, 112.919)

Conversions

Conversions Part 1

Format	Color
Hex	696D4D
RGB	105, 109, 77
RGB Percent	41%, 43%, 30%
CMY	0.5873, 0.5716, 0.6972
CMYK	0.04, 0.00, 0.29, 0.57
HSL	67°, 17%, 37%
HSV	67°, 29%, 43%
XYZ	12.6926, 14.5417, 9.1991
YIQ	104.1560, 7.8880, -10.8000

Conversions

Conversions Part 2

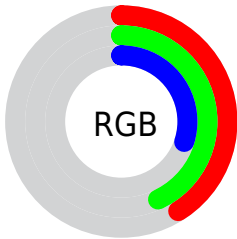
Format	Color
RYB	77, 109, 81
Decimal	6909261
CIELab	45.00, -7.36, 17.41
CIELCh	45, 18.906, 112.919
Yxy	14.5417, 0.3484, 0.3991
Android (android.graphics.Color)	4285099341 (0xFF696D4D)
YUV	104.1560, -13.3879, 0.7402
Hunter-Lab	38.1336, -7.3209, 12.3908

Details

The CIELCh color $45, 18.906, 112.919$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 20.166, 297.710$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.764, 111.915$, and $25, 19.341, 113.683$ is the 20% darker color. If you saturate the color by 10%, you get $45, 25.166, 112.196$, and if you desaturate by 10%, it is $45, 12.514, 113.664$.

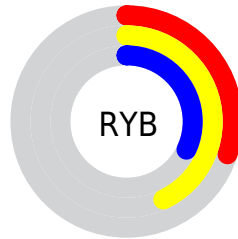
Distribution



Red (41%)

Green (43%)

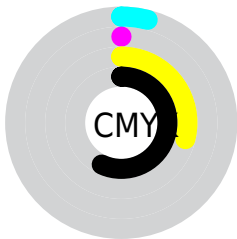
Blue (30%)



Red (30%)

Yellow (43%)

Blue (32%)

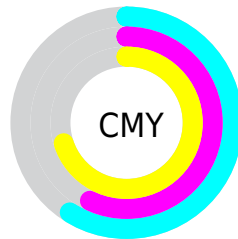


Cyan (4%)

Magenta (0%)

Yellow (29%)

Black (57%)



Cyan (59%)


Magenta (57%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.906, 112.919 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, 18.906, 112.919 by changing the saturation by 10% instead.


 45, 18.906,
112.919


 45, 18.906,
112.919


 100, 18.906,
112.919


 35, 18.906,
112.919

 65, 18.906,
112.919


 25, 18.906,
112.919

 75, 18.906,
112.919

 15, 18.906,
112.919

 85, 18.906,
112.919

 5, 18.906, 112.919

 95, 18.906,
112.919

 0, 18.906, 112.919

 45, 18.906,

 45, 18.906,

112.919

■ 45, 25.166,
112.196

■ 44, 31.203,
111.511

■ 44, 36.885,
110.900

■ 44, 42.023,
110.409

■ 44, 46.371,
110.095

■ 44, 49.655,
110.023

■ 43, 52.231,
110.097

■ 43, 52.417,
110.099

112.919

■ 45, 12.514,
113.664

■ 46, 6.046, 114.405

■ 46, 0.457, 295.158

■ 47, 6.966, 295.841

■ 47, 13.462,
296.518

■ 48, 19.929,
297.164

■ 48, 26.358,
297.776

■ 49, 32.738,
298.353

■ 49, 39.065,

Harmonies

Complementary

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



45, 18.906, 112.919



34, 20.166, 297.710

Rectangle

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



45, 18.906, 112.919



45, 18.906, 162.919



45, 18.906, 292.919



45, 18.906, 342.919

Sweetspot

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



45, 18.907, 112.922



59, 7.283, 114.409



37, 13.132, 31.174



30, 5.025, 114.326



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, 18.907, 112.922



58, 27.999, 112.436



44, 20.823, 131.781



22, 3.591, 114.432



47, 55.154, 110.154



91, 95.016, 110.569

Inverse Universe

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



34, 20.166, 297.710



42, 30.387, 298.470



36, 21.413, 314.242



20, 3.662, 295.774



12, 74.609, 306.948



31, 128.959, 306.661

Previews

White Background



This preview shows how the CIE LCh color 45, 18.906, 112.919 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, 18.906, 112.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

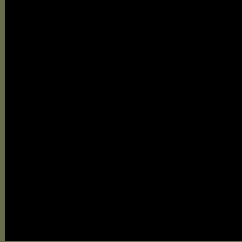
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.906, 112.919

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.906, 112.919.



This preview shows how white text looks on a background with the CIELCh color 45, 18.906, 112.919.

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, 18.906, 112.919

Protanopia

45, 18.213, 94.613

Deuteranopia

45, 17.711, 69.863



Tritanopia
45, 5.210, 313.569

Trichromacy



Original Color
45, 18.906, 112.919

Protanomaly
45, 18.373, 101.887

Deuteranomaly
45, 17.098, 87.630

Tritanomaly
45, 4.174, 103.804

Monochromacy



Original Color
45, 18.906, 112.919

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 7.197, 115.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.906, 112.919 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(105, 109, 77)` looks like.

```
.text, #text, p{  
    color:rgb(105, 109, 77)  
}
```

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(105, 109, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 109, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.906, 112.919 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(105, 109, 77) }
```

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

```
.border{ border-color:rgb(105, 109, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 109, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 109, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 109, 77);  
box-shadow:4px 4px 4px 4px rgb(105, 109,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.906, 112.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 109, 77) }
```

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

```
.background{ background-color: rgb(105,  
109, 77) }
```

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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