

Converting Colors

CIELCh(45, 18.289, 111.778)

Have a look what the booklet for
CIELCh(45, 18.289, 111.778)
contains.

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Color

CIELCh(45, 18.289, 111.778)

Conversions

Conversions Part 1

Format	Color
Hex	6A6D4E
RGB	106, 109, 78
RGB Percent	42%, 43%, 31%
CMY	0.5844, 0.5727, 0.6942
CMYK	0.03, 0.00, 0.28, 0.57
HSL	66°, 17%, 37%
HSV	66°, 28%, 43%
XYZ	12.7788, 14.5417, 9.3349
YIQ	104.5690, 8.1630, -10.2770

Conversions

Conversions Part 2

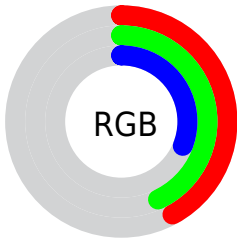
Format	Color
R_{YB}	78, 109, 81
Decimal	6974798
CIE Lab	45.00, -6.79, 16.98
CIE LCh	45, 18.289, 111.778
Yxy	14.5417, 0.3486, 0.3967
Android (android.graphics.Color)	4285164878 (0xFF6A6D4E)
YUV	104.5690, -13.0985, 1.2550
Hunter-Lab	38.1336, -6.9175, 12.1797

Details

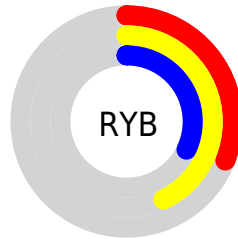
The CIELCh color $45, 18.289, 111.778$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 19.482, 296.661$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.193, 110.799$, and $25, 18.673, 112.509$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.537, 111.017$, and if you desaturate by 10%, it is $45, 11.914, 112.560$.

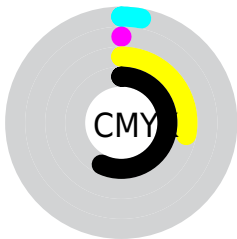
Distribution



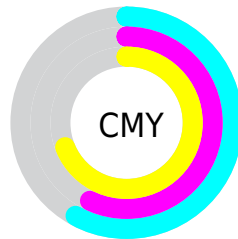
- Red (42%)
- Green (43%)
- Blue (31%)



- Red (31%)
- Yellow (43%)
- Blue (32%)



- Cyan (3%)
- Magenta (0%)
- Yellow (28%)
- Black (57%)




- Cyan (58%)
- Magenta (57%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.289, 111.778 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, 18.289, 111.778 by changing the saturation by 10% instead.


 45, 18.289,
111.778


 45, 18.289,
111.778


 100, 18.289,
111.778


 35, 18.289,
111.778

 65, 18.289,
111.778


 25, 18.289,
111.778

 75, 18.289,
111.778

 15, 18.289,
111.778


 85, 18.289,
111.778

 5, 18.289, 111.778

 95, 18.289,
111.778

 0, 18.289, 111.778

 45, 18.289,

 45, 18.289,

111.778

■ 45, 24.537,
111.017

■ 44, 30.570,
110.289

■ 44, 36.261,
109.630

■ 44, 41.426,
109.080

■ 44, 45.821,
108.692

■ 44, 49.173,
108.522

■ 44, 51.721,
108.511

■ 44, 52.132,
108.504

111.778

■ 45, 11.914,
112.560

■ 46, 5.467, 113.336

■ 46, 1.012, 294.120

■ 47, 7.498, 294.846

■ 47, 13.970,
295.558

■ 47, 20.416,
296.238

■ 48, 26.825,
296.884

■ 49, 33.187,
297.495

■ 49, 39.497,

Harmonies

Complementary

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



45, 18.289, 111.778



35, 19.482, 296.661

Rectangle

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



45, 18.289, 111.778



45, 18.289, 161.778



45, 18.289, 291.778



45, 18.289, 341.778

Sweetspot

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



45, 18.290, 111.781



59, 7.270, 113.274



37, 13.032, 28.182



30, 5.016, 113.187



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, 18.290, 111.781



58, 27.166, 111.282



44, 19.989, 130.714



22, 3.585, 113.298



47, 54.943, 108.549



92, 94.613, 108.877

Inverse Universe

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



35, 19.482, 296.661



42, 29.433, 297.439



36, 20.598, 313.117



20, 3.656, 294.712



12, 74.803, 306.780



31, 129.214, 306.537

Previews

White Background



This preview shows how the CIELCh color 45, 18.289, 111.778 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, 18.289, 111.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

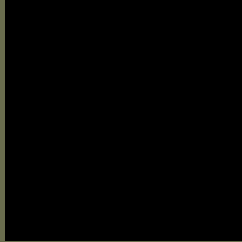
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

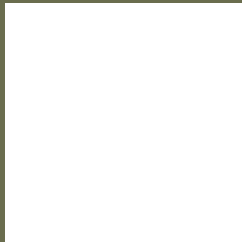
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 18.289, 111.778

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.289, 111.778.



This preview shows how white text looks on a background with the CIELCh color 45, 18.289, 111.778.

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, 18.289, 111.778

Protanopia

45, 17.537, 95.756

Deuteranopia

45, 17.711, 69.863



Tritanopia
45, 5.928, 314.962

Trichromacy



Original Color
45, 18.289, 111.778

Protanomaly
45, 17.795, 101.802

Deuteranomaly
45, 16.720, 85.602

Tritanomaly
45, 3.774, 90.121

Monochromacy



Original Color
45, 18.289, 111.778

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.561, 112.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.289, 111.778 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(106, 109, 78)` looks like.

```
.text, #text, p{  
    color:rgb(106, 109, 78)  
}
```

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(106, 109, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 109, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.289, 111.778 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(106, 109, 78) }
```

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

```
.border{ border-color:rgb(106, 109, 78) }
```

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

Here you see how a box with a 4 pixel rgb(106, 109, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 109, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 109, 78);  
box-shadow:4px 4px 4px 4px rgb(106, 109,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.289, 111.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 109, 78) }
```

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

```
.background{ background-color: rgb(106,  
109, 78) }
```

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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