

Converting Colors

CIELCh(45, 12.056, 16.515)

Have a look what the booklet for
CIELCh(45, 12.056, 16.515) contains.

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Color

CIELCh(45, 12.026, 18.133)

Conversions

Conversions Part 1

Format	Color
Hex	806465
RGB	128, 100, 101
RGB Percent	50%, 39%, 40%
CMY	0.4995, 0.6092, 0.6053
CMYK	0.00, 0.22, 0.21, 0.50
HSL	358°, 12%, 45%
HSV	358°, 22%, 50%
XYZ	15.7033, 14.5417, 14.2025
YIQ	108.4860, 16.3670, 6.2470

Conversions

Conversions Part 2

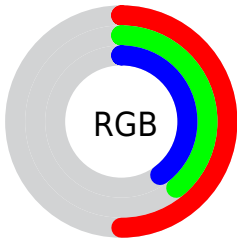
Format	Color
R_{YB}	128, 100, 101
Decimal	8414309
CIE _{Lab}	45.00, 11.43, 3.74
CIE _{LCh}	45, 12.026, 18.133
Yxy	14.5417, 0.3533, 0.3272
Android (android.graphics.Color)	4286604389 (0xFF806465)
YUV	108.4860, -3.6906, 17.1138
Hunter-Lab	38.1336, 6.7718, 4.6115

Details

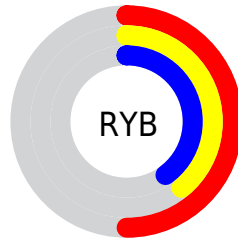
The CIELCh color **45, 12.026, 18.133** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **51, 10.563, 195.158**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 11.891, 17.859**, and **25, 12.041, 18.723** is the 20% darker color. If you saturate the color by 10%, you get **41, 18.114, 19.275**, and if you desaturate by 10%, it is **49, 6.312, 17.218**.

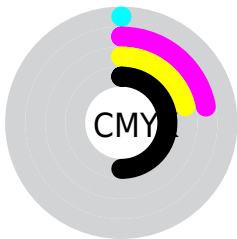
Distribution



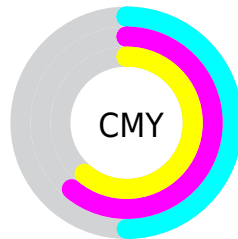
- Red (50%)
- Green (39%)
- Blue (40%)



- Red (50%)
- Yellow (39%)
- Blue (40%)



- Cyan (0%)
- Magenta (22%)
- Yellow (21%)
- Black (50%)



- Cyan (50%)
- Magenta (61%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 12.026, 18.133 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, 12.026, 18.133 by changing the saturation by 10% instead.

■ 45, 12.026, 18.133

■ 45, 12.026, 18.133

■ 100, 12.026,
18.133

■ 35, 12.026, 18.133

■ 65, 12.026, 18.133

■ 25, 12.026, 18.133

■ 75, 12.026, 18.133

■ 15, 12.026, 18.133

■ 85, 12.026, 18.133

■ 5, 12.026, 18.133

■ 95, 12.026, 18.133

■ 0, 12.026, 18.133

■ 45, 12.026, 18.133

■ 45, 12.026, 18.133

■ 41, 18.114, 19.275

■ 49, 6.312, 17.218

■ 38, 24.537, 20.711

■ 53, 0.982, 16.163

35, 31.204, 22.544

57, 3.980, 196.079

32, 37.968, 24.880

61, 8.602, 195.545

29, 44.631, 27.805

65, 12.916,
195.129

27, 50.956, 31.303

69, 16.954,
194.782

26, 56.580, 35.063

25, 60.104, 36.940

73, 20.749,
194.489

77, 24.329,
194.236

81, 27.721,
194.016

Harmonies

Complementary

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



45, 12.026, 18.133



51, 10.563, 195.158

Rectangle

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



45, 12.026, 18.133



45, 12.026, 68.133



45, 12.026, 198.133



45, 12.026, 248.133

Sweetspot

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



45, 12.025, 18.140



65, 4.512, 16.815



46, 19.664, 324.173



34, 2.959, 16.853



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 12.025, 18.140



56, 17.947, 18.639



48, 9.963, 67.384



25, 2.952, 16.980



25, 60.052, 36.931



0, 0.000, 0.000

Inverse Universe

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



45, 12.025, 18.140



56, 17.947, 18.639



48, 9.255, 252.731



25, 2.952, 16.980



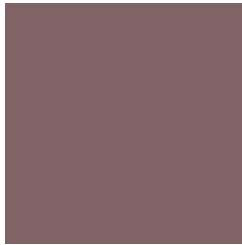
25, 60.052, 36.931



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 12.026, 18.133 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 CIE LCh color 45, 12.026, 18.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

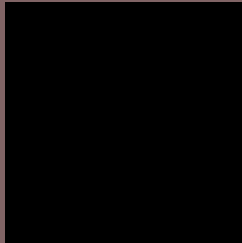
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.026, 18.133

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.026, 18.133.



This preview shows how white text looks on a background with the CIELCh color 45, 12.026, 18.133.

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, 12.026, 18.133

Protanopia

45, 1.711, 63.291

Deuteranopia

45, 7.064, 34.722



Tritanopia
45, 12.888, 2.403

Trichromacy



Original Color
45, 12.026, 18.133

Protanomaly
45, 5.085, 26.645

Deuteranomaly
45, 8.655, 28.265

Tritanomaly
45, 12.641, 7.574

Monochromacy



Original Color
45, 12.026, 18.133

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.175, 19.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.026, 18.133 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(128, 100, 101)` looks like.

```
.text, #text, p{  
    color:rgb(128, 100, 101)  
}
```

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(128, 100, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 100, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.026, 18.133 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(128, 100, 101) }
```

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

```
.border{ border-color:rgb(128, 100, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 100, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 100, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 100, 101);  
box-shadow:4px 4px 4px 4px rgb(128, 100,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.026, 18.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 100, 101) }
```

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

```
.background{ background-color: rgb(128,  
100, 101) }
```

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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