

Converting Colors

CIELCh(45, 18.213, 146.068)

Have a look what the booklet for
CIELCh(45, 18.213, 146.068)
contains.

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Color

CIELCh(45, 18.212, 146.068)

Conversions

Conversions Part 1

Format	Color
Hex	567159
RGB	86, 113, 89
RGB Percent	34%, 44%, 35%
CMY	0.6623, 0.5564, 0.6506
CMYK	0.24, 0.00, 0.21, 0.56
HSL	127°, 14%, 39%
HSV	127°, 24%, 44%
XYZ	11.5728, 14.5417, 11.6715
YIQ	102.1910, -8.3880, -13.1880

Conversions

Conversions Part 2

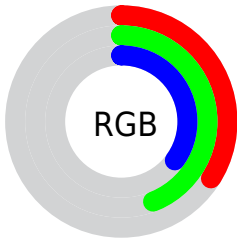
Format	Color
RYB	86, 110, 113
Decimal	5665113
CIELab	45.00, -15.11, 10.17
CIELCh	45, 18.212, 146.068
Yxy	14.5417, 0.3063, 0.3848
Android (android.graphics.Color)	4283855193 (0xFF567159)
YUV	102.1910, -6.5032, -14.1995
Hunter-Lab	38.1336, -12.5623, 8.5467

Details

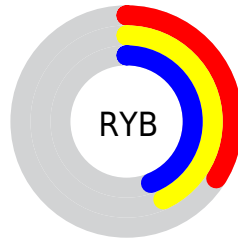
The CIELCh color $45, 18.212, 146.068$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 18.245, 328.930$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.342, 146.262$, and $25, 18.386, 145.348$ is the 20% darker color. If you saturate the color by 10%, you get $44, 25.805, 145.234$, and if you desaturate by 10%, it is $46, 10.554, 146.794$.

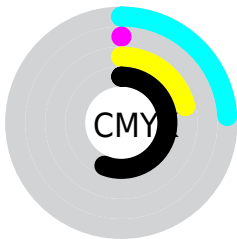
Distribution



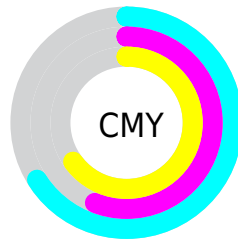
- Red (34%)
- Green (44%)
- Blue (35%)



- Red (34%)
- Yellow (43%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (21%)
- Black (56%)




- Cyan (66%)
- Magenta (56%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 18.212, 146.068 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, 18.212, 146.068 by changing the saturation by 10% instead.

 45, 18.212,
146.068


 45, 18.212,
146.068


 100, 18.212,
146.068


 35, 18.212,
146.068

 65, 18.212,
146.068


 25, 18.212,
146.068

 75, 18.212,
146.068

 15, 18.212,
146.068

 85, 18.212,
146.068

 5, 18.212, 146.068

 95, 18.212,
146.068

 0, 18.212, 146.068

 45, 18.212,

 45, 18.212,

146.068

146.068

■ 44, 25.805,
145.234

■ 46, 10.554,
146.794

■ 43, 33.204,
144.276

■ 47, 2.926, 147.458

■ 43, 40.259,
143.190

■ 48, 4.598, 327.887

■ 50, 11.965,
328.372

■ 42, 46.798,
141.984

■ 51, 19.142,
328.777

■ 42, 52.628,
140.689

■ 53, 26.106,
329.127

■ 41, 57.551,
139.365

■ 54, 32.850,
329.433

■ 41, 61.392,
138.127

■ 56, 39.370,
329.701

■ 41, 63.279,
137.606

■ 58, 45.670,
329.938

Harmonies

Complementary

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



45, 18.212, 146.068



40, 18.245, 328.930

Rectangle

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



45, 18.212, 146.068



45, 18.212, 196.068



45, 18.212, 326.068



45, 18.212, 16.068

Sweetspot

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



45, 18.213, 146.068



60, 6.605, 147.234



47, 15.868, 112.262



31, 4.266, 147.210



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, 18.213, 146.068



57, 27.553, 145.590



45, 12.621, 167.294



23, 4.237, 147.117



43, 66.084, 137.520



85, 114.700, 136.849

Inverse Universe

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



40, 18.245, 328.930



50, 27.591, 329.266



40, 13.195, 351.626



22, 4.246, 328.077



27, 60.803, 333.008



57, 103.349, 333.315

Previews

White Background



This preview shows how the CIELCh color 45, 18.212, 146.068 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, 18.212, 146.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

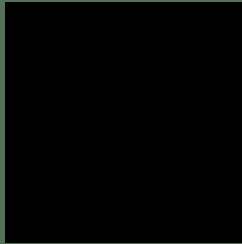
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 18.212, 146.068

Background



This preview shows how black text looks on a background with the CIELCh color 45, 18.212, 146.068.



This preview shows how white text looks on a background with the CIELCh color 45, 18.212, 146.068.

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

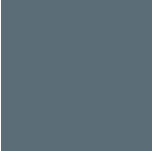
45, 18.212, 146.068

Protanopia

45, 12.263, 93.850

Deuteranopia

45, 11.046, 56.284



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 18.212, 146.068

Protanomaly
45, 13.277, 119.625

Deuteranomaly
45, 9.588, 100.994

Tritanomaly
45, 8.498, 186.220

Monochromacy



Original Color
45, 18.212, 146.068

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.838, 146.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 18.212, 146.068 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(86, 113, 89)` looks like.

```
.text, #text, p{  
    color:rgb(86, 113, 89)  
}
```

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(86, 113, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 113, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 18.212, 146.068 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(86, 113, 89) }
```

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

```
.border{ border-color:rgb(86, 113, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 113, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 113, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 113, 89);  
box-shadow:4px 4px 4px 4px rgb(86, 113,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 18.212, 146.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 113, 89) }
```

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

```
.background{ background-color: rgb(86, 113,  
89) }
```

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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