

Converting Colors

CIELCh(45, 10.406, 170.914)

Have a look what the booklet for
CIELCh(45, 10.406, 170.914)
contains.

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Color

CIELCh(45, 10.421, 170.898)

Conversions

Conversions Part 1

Format	Color
Hex	586F67
RGB	88, 111, 103
RGB Percent	35%, 44%, 40%
CMY	0.6533, 0.5631, 0.5945
CMYK	0.21, 0.00, 0.07, 0.56
HSL	159°, 12%, 39%
HSV	159°, 21%, 44%
XYZ	12.2614, 14.5417, 15.1005
YIQ	103.2110, -11.1400, -7.3640

Conversions

Conversions Part 2

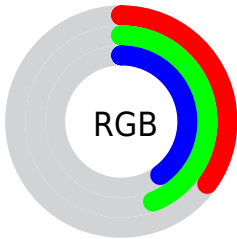
Format	Color
R_{YB}	88, 102, 111
Decimal	5795687
CIE _{Lab}	45.00, -10.29, 1.65
CIE _{LCh}	45, 10.421, 170.898
Yxy	14.5417, 0.2926, 0.3470
Android (android.graphics.Color)	4283985767 (0xFF586F67)
YUV	103.2110, -0.1040, -13.3400
Hunter-Lab	38.1336, -9.3391, 3.2153

Details

The CIELCh color $45, 10.421, 170.898$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 10.926, 354.654$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 10.693, 170.576$, and $25, 10.256, 170.833$ is the 20% darker color. If you saturate the color by 10%, you get $44, 15.294, 169.873$, and if you desaturate by 10%, it is $46, 5.413, 171.855$.

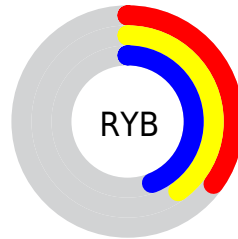
Distribution



Red (35%)

Green (44%)

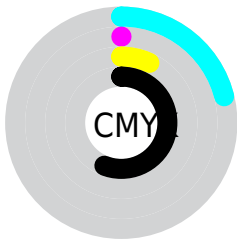
Blue (40%)



Red (35%)

Yellow (40%)

Blue (44%)

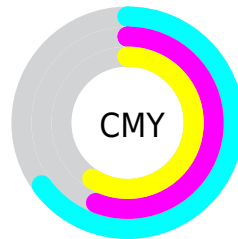


Cyan (21%)

Magenta (0%)

Yellow (7%)

Black (56%)



Cyan (65%)


Magenta (56%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 10.421, 170.898 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, 10.421, 170.898 by changing the saturation by 10% instead.


 45, 10.421,
170.898


 45, 10.421,
170.898


 100, 10.421,
170.898


 35, 10.421,
170.898

 65, 10.421,
170.898


 25, 10.421,
170.898

 75, 10.421,
170.898

 15, 10.421,
170.898


 85, 10.421,
170.898

 5, 10.421, 170.898

 95, 10.421,
170.898

 0, 10.421, 170.898

 45, 10.421,

 45, 10.421,

170.898

170.898

■ 44, 15.294,
169.873

■ 46, 5.413, 171.855

■ 43, 19.957,
168.760

■ 47, 0.331, 173.576

■ 48, 4.772, 353.416

■ 43, 24.334,
167.536

■ 49, 9.851, 354.212

■ 42, 28.350,
166.179

■ 50, 14.875,
354.946

■ 42, 31.942,
164.667

■ 52, 19.820,
355.638

■ 42, 35.064,
162.982

■ 53, 24.668,
356.296

■ 41, 37.705,
161.111

■ 55, 29.410,
356.925

■ 41, 39.956,
159.370

■ 56, 34.039,
357.527

Harmonies

Complementary

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



45, 10.421, 170.898



40, 10.926, 354.654

Rectangle

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



45, 10.421, 170.898



45, 10.421, 220.898



45, 10.421, 350.898



45, 10.421, 40.898

Sweetspot

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



45, 10.422, 170.895



60, 3.796, 172.293



45, 15.063, 133.268



31, 2.537, 172.246



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, 10.422, 170.895



57, 15.607, 170.392



44, 7.768, 214.107



23, 2.875, 172.013



44, 42.227, 159.176



87, 73.826, 157.809

Inverse Universe

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



40, 10.926, 354.654



50, 16.559, 355.220



41, 8.865, 34.012



22, 2.936, 353.454



24, 48.828, 14.379



52, 84.366, 17.785

Previews

White Background



This preview shows how the CIELCh color 45, 10.421, 170.898 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, 10.421, 170.898 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, 10.421, 170.898

Background



This preview shows how black text looks on a background with the CIELCh color 45, 10.421, 170.898.



This preview shows how white text looks on a background with the CIELCh color 45, 10.421, 170.898.

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](#).

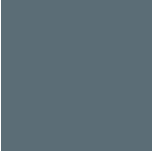
Dichromacy



Original Color
45, 10.421, 170.898

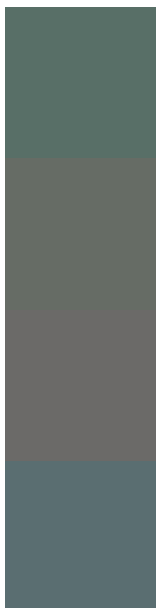
Protanopia
45, 3.774, 90.121

Deuteranopia
45, 5.983, 8.677



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 10.421, 170.898

Protanomaly
45, 4.872, 140.228

Deuteranomaly
45, 1.252, 90.680

Tritanomaly
45, 7.861, 211.818

Monochromacy



Original Color
45, 10.421, 170.898

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.099, 173.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 10.421, 170.898 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(88, 111, 103)` looks like.

```
.text, #text, p{  
    color:rgb(88, 111, 103)  
}
```

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(88, 111, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 111, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 10.421, 170.898 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(88, 111, 103) }
```

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

```
.border{ border-color:rgb(88, 111, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 111, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 111, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 111, 103);  
box-shadow:4px 4px 4px 4px rgb(88, 111,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 10.421, 170.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 111, 103) }
```

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

```
.background{ background-color: rgb(88, 111,  
103) }
```

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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