

Converting Colors

CIELCh(45, 8.993, 148.953)

Have a look what the booklet for
CIELCh(45, 8.993, 148.953) contains.

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Color

CIELCh(45, 8.780, 150.249)

Conversions

Conversions Part 1

Format	Color
Hex	606E63
RGB	96, 110, 99
RGB Percent	38%, 43%, 39%
CMY	0.6235, 0.5686, 0.6117
CMYK	0.13, 0.00, 0.10, 0.57
HSL	133°, 7%, 40%
HSV	133°, 13%, 43%
XYZ	12.6539, 14.5417, 13.9461
YIQ	104.5600, -4.8130, -6.3890

Conversions

Conversions Part 2

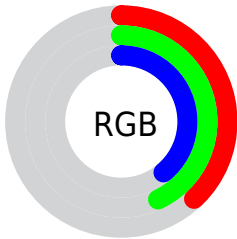
Format	Color
R_{YB}	96, 108, 110
Decimal	6319715
CIE Lab	45.00, -7.62, 4.36
CIE LCh	45, 8.780, 150.249
Yxy	14.5417, 0.3076, 0.3535
Android (android.graphics.Color)	4284509795 (0xFF606E63)
YUV	104.5600, -2.7411, -7.5071
Hunter-Lab	38.1336, -7.5022, 5.0102

Details

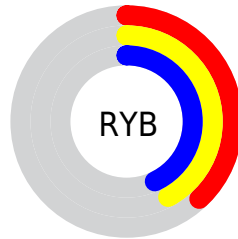
The CIELCh color $45, 8.780, 150.249$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 8.813, 331.769$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 8.847, 149.969$, and $25, 8.100, 151.159$ is the 20% darker color. If you saturate the color by 10%, you get $44, 15.726, 149.497$, and if you desaturate by 10%, it is $46, 1.867, 150.978$.

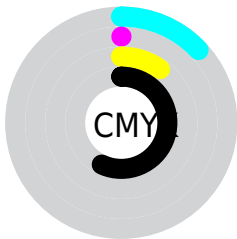
Distribution



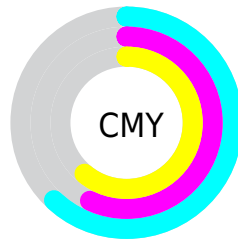
- Red (38%)
- Green (43%)
- Blue (39%)



- Red (38%)
- Yellow (42%)
- Blue (43%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (57%)



- Cyan (62%)
- Magenta (57%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 8.780, 150.249 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, 8.780, 150.249 by changing the saturation by 10% instead.

■ 45, 8.780, 150.249

■ 45, 8.780, 150.249

■ 100, 8.780,
150.249

■ 35, 8.780, 150.249

■ 65, 8.780, 150.249

■ 25, 8.780, 150.249

■ 75, 8.780, 150.249

■ 15, 8.780, 150.249

■ 85, 8.780, 150.249

■ 5, 8.780, 150.249

■ 95, 8.780, 150.249

■ 0, 8.780, 150.249

■ 45, 8.780, 150.249

■ 45, 8.780, 150.249

■ 44, 15.726,
149.497

■ 46, 1.867, 150.978

■ 43, 22.620,

■ 47, 4.954, 331.393

148.641

■ 49, 11.636,
331.911

■ 42, 29.362,
147.659

■ 50, 18.150,
332.354

■ 42, 35.833,
146.537

■ 51, 24.477,
332.744

■ 41, 41.900,
145.265

■ 53, 30.608,
333.093

■ 41, 47.429,
143.849

■ 55, 36.539,
333.405

■ 40, 52.291,
142.313

■ 56, 42.274,
333.687

■ 40, 56.378,
140.717

■ 58, 47.817,
333.943

■ 40, 58.973,
139.744

Harmonies

Complementary

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



45, 8.780, 150.249



42, 8.813, 331.769

Rectangle

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



45, 8.780, 150.249



45, 8.780, 200.249



45, 8.780, 330.249



45, 8.780, 20.249

Sweetspot

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



45, 8.781, 150.248



59, 3.397, 150.858



46, 8.370, 117.179



30, 2.399, 150.812



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, 8.781, 150.248



57, 12.832, 150.056



45, 6.203, 174.892



23, 3.935, 150.507



43, 62.951, 139.565



86, 110.085, 138.563

Inverse Universe

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



42, 8.813, 331.769



53, 12.881, 331.937



42, 6.420, 357.077



22, 3.948, 331.534



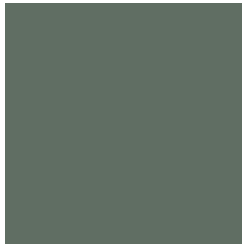
26, 56.357, 338.547



56, 95.421, 339.282

Previews

White Background



This preview shows how the CIELCh color 45, 8.780, 150.249 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, 8.780, 150.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

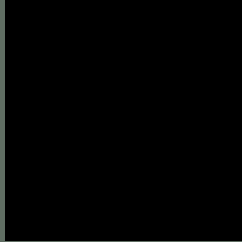
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

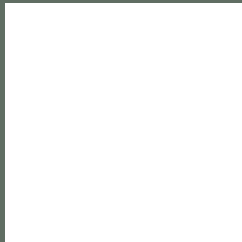
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 8.780, 150.249

Background



This preview shows how black text looks on a background with the CIELCh color 45, 8.780, 150.249.



This preview shows how white text looks on a background with the CIELCh color 45, 8.780, 150.249.

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

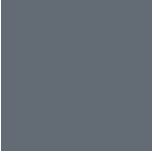
45, 8.780, 150.249

Protanopia

45, 5.606, 91.725

Deuteranopia

45, 6.912, 30.038



Tritanopia
45, 5.849, 254.043

Trichromacy



Original Color
45, 8.780, 150.249

Protanomaly
45, 5.421, 118.337

Deuteranomaly
45, 4.133, 78.949

Tritanomaly
45, 4.400, 206.787

Monochromacy



Original Color
45, 8.780, 150.249

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 3.166, 150.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 8.780, 150.249 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(96, 110, 99)` looks like.

```
.text, #text, p{  
    color:rgb(96, 110, 99)  
}
```

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(96, 110, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 110, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 8.780, 150.249 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(96, 110, 99) }
```

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

```
.border{ border-color:rgb(96, 110, 99) }
```

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

Here you see how a box with a 4 pixel rgb(96, 110, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 110, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 110, 99);  
box-shadow:4px 4px 4px 4px rgb(96, 110,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 8.780, 150.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 110, 99) }
```

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

```
.background{ background-color: rgb(96, 110,  
99) }
```

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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