

Converting Colors

CIELCh(45, 7.356, 19.401)

Have a look what the booklet for
CIELCh(45, 7.356, 19.401) contains.

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Color

CIELCh(45, 7.635, 15.890)

Conversions

Conversions Part 1

Format	Color
Hex	786667
RGB	120, 102, 103
RGB Percent	47%, 40%, 40%
CMY	0.5285, 0.5991, 0.5952
CMYK	0.00, 0.15, 0.14, 0.53
HSL	357°, 8%, 44%
HSV	357°, 15%, 47%
XYZ	15.0121, 14.5417, 14.9080
YIQ	107.4960, 10.4070, 4.1270

Conversions

Conversions Part 2

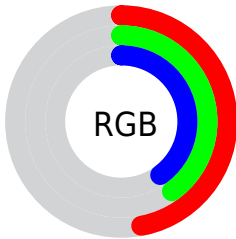
Format	Color
R_{YB}	120, 102, 103
Decimal	7890535
CIE Lab	45.00, 7.34, 2.09
CIE LCh	45, 7.635, 15.890
Yxy	14.5417, 0.3376, 0.3271
Android (android.graphics.Color)	4286080615 (0xFF786667)
YUV	107.4960, -2.2165, 10.9660
Hunter-Lab	38.1336, 3.5367, 3.5146

Details

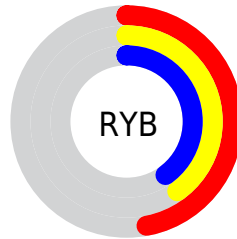
The CIELCh color $45, 7.635, 15.890$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 7.031, 193.885$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 7.455, 15.803$, and $25, 7.587, 15.926$ is the 20% darker color. If you saturate the color by 10%, you get $41, 13.166, 16.905$, and if you desaturate by 10%, it is $49, 2.451, 14.997$.

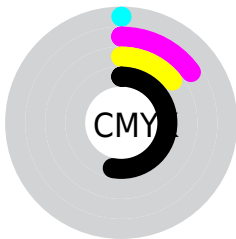
Distribution



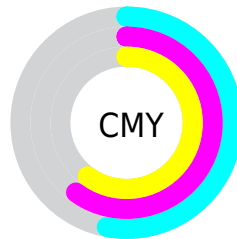
- Red (47%)
- Green (40%)
- Blue (40%)



- Red (47%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (15%)
- Yellow (14%)
- Black (53%)



- Cyan (53%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 7.635, 15.890 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, 7.635, 15.890 by changing the saturation by 10% instead.

 45, 7.635, 15.890  45, 7.635, 15.890

 100, 7.635, 15.890  35, 7.635, 15.890

 65, 7.635, 15.890  25, 7.635, 15.890

 75, 7.635, 15.890  15, 7.635, 15.890


 85, 7.635, 15.890  5, 7.635, 15.890

 95, 7.635, 15.890  0, 7.635, 15.890

 45, 7.635, 15.890  45, 7.635, 15.890

 41, 13.166, 16.905  49, 2.451, 14.997

 38, 19.027, 18.146  52, 2.390, 194.652

 35, 25.163, 19.707  56, 6.908, 194.003

■ 32, 31.470, 21.689

■ 60, 11.131,
193.522

■ 29, 37.791, 24.198

■ 64, 15.088,
193.120

■ 27, 43.934, 27.316

■ 25, 49.685, 31.008

■ 68, 18.809,
192.775

■ 24, 54.648, 34.649

■ 71, 22.320,
192.476

■ 24, 56.670, 35.609

■ 75, 25.646,
192.213

■ 79, 28.809,
191.980

Harmonies

Complementary

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



45, 7.635, 15.890



49, 7.031, 193.885

Rectangle

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



45, 7.635, 15.890



45, 7.635, 65.890



45, 7.635, 195.890



45, 7.635, 245.890

Sweetspot

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



45, 7.634, 15.899



62, 2.426, 14.901



45, 12.697, 323.351



32, 1.742, 14.973



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 7.634, 15.899



56, 11.464, 16.226



47, 6.316, 66.253



24, 2.856, 15.376



25, 58.505, 35.958



53, 101.640, 38.453

Inverse Universe

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



45, 7.634, 15.899



56, 11.464, 16.226



47, 5.998, 249.708



24, 2.856, 15.376



25, 58.505, 35.958



53, 101.640, 38.453

Previews

White Background



This preview shows how the CIELCh color 45, 7.635, 15.890 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, 7.635, 15.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

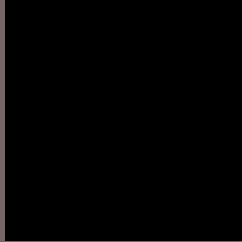
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 7.635, 15.890

Background



This preview shows how black text looks on a background with the CIELCh color 45, 7.635, 15.890.



This preview shows how white text looks on a background with the CIELCh color 45, 7.635, 15.890.

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, 7.635, 15.890

Protanopia

45, 1.369, 45.018

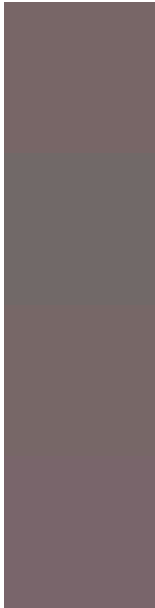
Deuteranopia

45, 6.330, 20.144



Tritanopia
45, 9.570, 350.873

Trichromacy



Original Color

45, 7.635, 15.890

Protanomaly

45, 3.390, 29.783

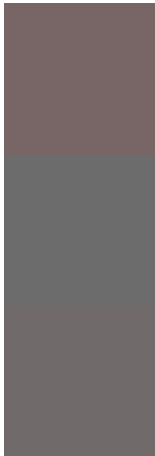
Deuteranomaly

45, 6.761, 20.202

Tritanomaly

45, 9.083, 357.494

Monochromacy



Original Color

45, 7.635, 15.890

Achromatopsia

46, 0.006, 296.813

Achromatomaly

45, 2.486, 19.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 7.635, 15.890 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(120, 102, 103)` looks like.

```
.text, #text, p{  
    color:rgb(120, 102, 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(120, 102, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 102, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 7.635, 15.890 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(120, 102, 103) }
```

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

```
.border{ border-color:rgb(120, 102, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 102, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 102, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 102, 103);  
box-shadow:4px 4px 4px 4px rgb(120, 102,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 7.635, 15.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 102, 103) }
```

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

```
.background{ background-color: rgb(120,  
102, 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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