

Converting Colors

CIELCh(45, 0.451, 200.563)

Have a look what the booklet for
CIELCh(45, 0.451, 200.563) contains.

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Color

CIELCh(45, 0.408, 200.214)

Conversions

Conversions Part 1

Format	Color
Hex	6A6B6B
RGB	106, 107, 107
RGB Percent	42%, 42%, 42%
CMY	0.5857, 0.5817, 0.5817
CMYK	0.01, 0.00, 0.00, 0.58
HSL	180°, 0%, 42%
HSV	180°, 1%, 42%
XYZ	13.7612, 14.5417, 15.8972
YIQ	106.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

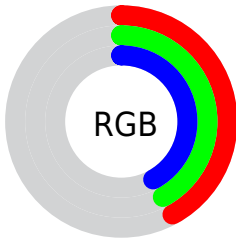
Format	Color
R_{YB}	106, 107, 107
Decimal	6974315
CIE Lab	45.00, -0.38, -0.14
CIE LCh	45, 0.408, 200.214
Yxy	14.5417, 0.3113, 0.3290
Android (android.graphics.Color)	4285164395 (0xFF6A6B6B)
YUV	106.7010, 0.1474, -0.6148
Hunter-Lab	38.1336, -2.3190, 1.9766

Details

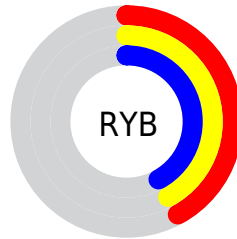
The CIELCh color $45, 0.408, 200.214$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 0.413, 18.461$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 0.380, 200.590$, and $25, 0.450, 199.850$ is the 20% darker color. If you saturate the color by 10%, you get $44, 4.664, 198.760$, and if you desaturate by 10%, it is $46, 4.021, 19.656$.

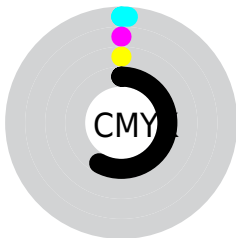
Distribution



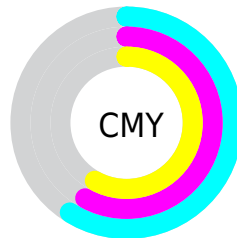
- Red (42%)
- Green (42%)
- Blue (42%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (58%)















- Cyan (59%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 0.408, 200.214 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, 0.408, 200.214 by changing the saturation by 10% instead.

 45, 0.408, 200.214	 45, 0.408, 200.214
 100, 0.408, 200.214	 35, 0.408, 200.214
 65, 0.408, 200.214	 25, 0.408, 200.214
 75, 0.408, 200.214	 15, 0.408, 200.214
 85, 0.408, 200.214	 5, 0.408, 200.214
 95, 0.408, 200.214	 0, 0.408, 200.214

 45, 0.408, 200.214	 45, 0.408, 200.214
 44, 4.664, 198.760	 46, 4.021, 19.656
 43, 8.689, 198.243	 47, 8.575, 20.266

■ 43, 12.422,
197.790

■ 48, 13.211, 20.859

■ 42, 15.799,
197.389

■ 49, 17.894, 21.455

■ 51, 22.595, 22.051

■ 42, 18.763,
197.041

■ 52, 27.292, 22.647

■ 41, 21.261,
196.749

■ 53, 31.970, 23.238

■ 55, 36.615, 23.822

■ 41, 23.259,
196.513

■ 56, 41.219, 24.395

■ 41, 24.744,
196.334

■ 41, 25.729,
196.208

Harmonies

Complementary

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



45, 0.408, 200.214



45, 0.413, 18.461

Rectangle

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



45, 0.408, 200.214



45, 0.408, 250.214



45, 0.408, 20.214



45, 0.408, 70.214

Sweetspot

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



45, 0.409, 200.054



57, 0.007, 296.813



45, 0.720, 144.175



29, 0.005, 296.813



79, 0.010, 296.813

Same Dimension

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



45, 0.409, 200.054



57, 0.537, 199.976



45, 0.360, 254.364



22, 0.245, 200.097



44, 28.273, 196.112



88, 48.655, 196.095

Inverse Universe

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



45, 0.413, 18.461



57, 0.542, 18.538



45, 0.352, 72.804



22, 0.248, 18.418



23, 56.903, 37.505



51, 101.314, 39.945

Previews

White Background



This preview shows how the CIELCh color 45, 0.408, 200.214 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, 0.408, 200.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

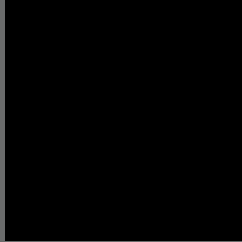
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

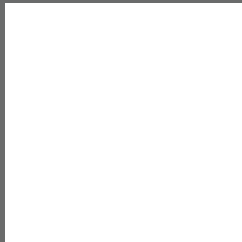
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 0.408, 200.214

Background



This preview shows how black text looks on a background with the CIELCh color 45, 0.408, 200.214.



This preview shows how white text looks on a background with the CIELCh color 45, 0.408, 200.214.

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, 0.408, 200.214

Protanopia

45, 0.824, 19.084

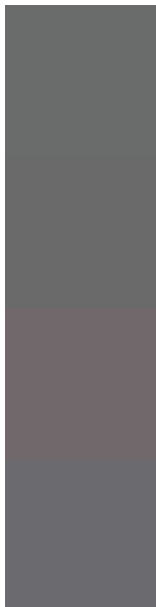
Deuteranopia

45, 5.911, 356.396



Tritanopia
45, 4.799, 295.621

Trichromacy



Original Color

45, 0.408, 200.214

Protanomaly

45, 0.412, 18.611

Deuteranomaly

45, 3.771, 351.515

Tritanomaly

45, 3.020, 298.283

Monochromacy



Original Color

45, 0.408, 200.214

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 0.006, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 0.408, 200.214 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(106, 107, 107)` looks like.

```
.text, #text, p{  
    color:rgb(106, 107, 107)  
}
```

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(106, 107, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 107, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 0.408, 200.214 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(106, 107, 107) }
```

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

```
.border{ border-color:rgb(106, 107, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 107, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 107, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 107, 107);  
box-shadow:4px 4px 4px 4px rgb(106, 107,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 0.408, 200.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 107, 107) }
```

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

```
.background{ background-color: rgb(106,  
107, 107) }
```

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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