

Converting Colors

CIELCh(45, 4.364, 12.188)

Have a look what the booklet for
CIELCh(45, 4.364, 12.188) contains.

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Color

CIELCh(45, 4.215, 11.755)

Conversions

Conversions Part 1

Format	Color
Hex	726869
RGB	114, 104, 105
RGB Percent	45%, 41%, 41%
CMY	0.5523, 0.5916, 0.5876
CMYK	0.00, 0.09, 0.08, 0.55
HSL	354°, 5%, 43%
HSV	354°, 9%, 45%
XYZ	14.4825, 14.5417, 15.4488
YIQ	107.1040, 5.6390, 2.4310

Conversions

Conversions Part 2

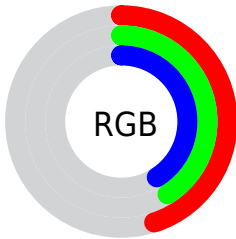
Format	Color
RYB	114, 104, 105
Decimal	7497833
CIELab	45.00, 4.13, 0.86
CIElCh	45, 4.215, 11.755
Yxy	14.5417, 0.3256, 0.3270
Android (android.graphics.Color)	4285687913 (0xFF726869)
YUV	107.1040, -1.0373, 6.0478
Hunter-Lab	38.1336, 1.0575, 2.6738

Details

The CIELCh color $45, 4.215, 11.755$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 4.038, 190.613$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 4.298, 12.303$, and $25, 4.225, 11.238$ is the 20% darker color. If you saturate the color by 10%, you get $42, 9.308, 12.743$, and if you desaturate by 10%, it is $49, 0.575, 191.698$.

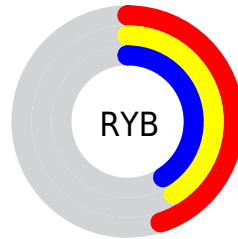
Distribution



Red (45%)

Green (41%)

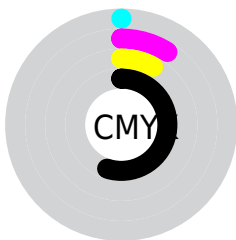
Blue (41%)



Red (45%)

Yellow (41%)

Blue (41%)

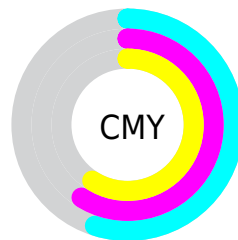


Cyan (0%)

Magenta (9%)

Yellow (8%)

Black (55%)



Cyan (55%)













Magenta (59%)









Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.215, 11.755 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, 4.215, 11.755 by changing the saturation by 10% instead.

 45, 4.215, 11.755	 45, 4.215, 11.755
 100, 4.215, 11.755	 35, 4.215, 11.755
 65, 4.215, 11.755	 25, 4.215, 11.755
 75, 4.215, 11.755	 15, 4.215, 11.755
 85, 4.215, 11.755	 5, 4.215, 11.755
 95, 4.215, 11.755	 0, 4.215, 11.755

 45, 4.215, 11.755	 45, 4.215, 11.755
 42, 9.308, 12.743	 49, 0.575, 191.698
 38, 14.697, 13.885	 52, 5.069, 190.494
 35, 20.343, 15.283	 56, 9.286, 189.899

■ 32, 26.168, 17.026

■ 59, 13.250,
189.399

■ 29, 32.047, 19.217

■ 63, 16.986,
188.963

■ 27, 37.811, 21.972

■ 25, 43.278, 25.376

■ 67, 20.518,
188.578

■ 23, 48.283, 29.399

■ 70, 23.869,
188.235

■ 22, 52.721, 32.974

■ 74, 27.060,
187.926

■ 77, 30.108,
187.646

Harmonies

Complementary

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



45, 4.215, 11.755



47, 4.038, 190.613

Rectangle

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



45, 4.215, 11.755



45, 4.215, 61.755



45, 4.215, 191.755



45, 4.215, 241.755

Sweetspot

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



45, 4.214, 11.770



60, 1.754, 11.153



45, 7.022, 322.095



30, 1.323, 11.253



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, 4.214, 11.770



56, 6.593, 12.007



46, 3.439, 62.967



22, 2.669, 11.791



24, 55.373, 33.685



52, 97.840, 36.651

Inverse Universe

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



45, 4.214, 11.770



56, 6.593, 12.007



46, 3.331, 244.897



22, 2.669, 11.791



24, 55.373, 33.685



52, 97.840, 36.651

Previews

White Background



This preview shows how the CIELCh color 45, 4.215, 11.755 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, 4.215, 11.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

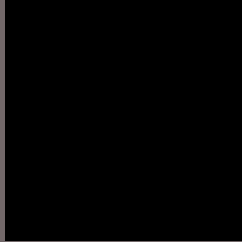
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

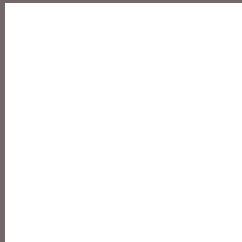
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 4.215, 11.755

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.215, 11.755.

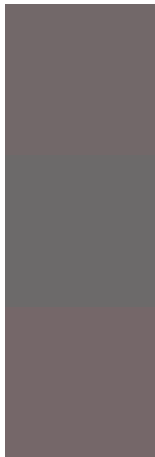


This preview shows how white text looks on a background with the CIELCh color 45, 4.215, 11.755.

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, 4.215, 11.755

Protanopia

45, 0.824, 19.084

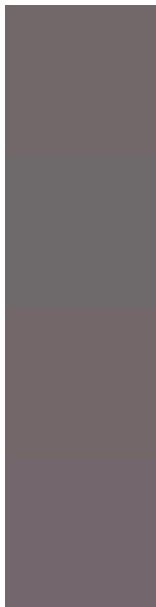
Deuteranopia

45, 5.983, 8.677



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color
45, 4.215, 11.755

Protanomaly
45, 2.156, 3.486

Deuteranomaly
45, 5.567, 7.742

Tritanomaly
45, 6.122, 344.437

Monochromacy



Original Color
45, 4.215, 11.755

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 1.652, 19.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.215, 11.755 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(114, 104, 105)` looks like.

```
.text, #text, p{  
    color:rgb(114, 104, 105)  
}
```

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(114, 104, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 104, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.215, 11.755 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(114, 104, 105) }
```

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

```
.border{ border-color:rgb(114, 104, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 104, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 104, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 104, 105);  
box-shadow:4px 4px 4px 4px rgb(114, 104,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.215, 11.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 104, 105) }
```

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

```
.background{ background-color: rgb(114,  
104, 105) }
```

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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