

Converting Colors

CIELCh(45, 6.155, 316.556)

Have a look what the booklet for
CIELCh(45, 6.155, 316.556) contains.

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Color

CIELCh(45, 6.638, 316.062)

Conversions

Conversions Part 1

Format	Color
Hex	6F6872
RGB	111, 104, 114
RGB Percent	44%, 41%, 45%
CMY	0.5641, 0.5915, 0.5523
CMYK	0.03, 0.09, 0.00, 0.55
HSL	282°, 5%, 43%
HSV	282°, 9%, 45%
XYZ	14.5891, 14.5417, 18.0061
YIQ	107.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

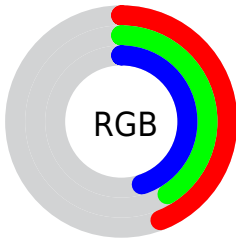
Format	Color
R_{YB}	111, 104, 114
Decimal	7301234
CIE _{Lab}	45.00, 4.78, -4.61
CIE _{LCh}	45, 6.638, 316.062
Yxy	14.5417, 0.3095, 0.3085
Android (android.graphics.Color)	4285491314 (0xFF6F6872)
YUV	107.2330, 3.3361, 3.3037
Hunter-Lab	38.1336, 1.5563, -1.3024

Details

The CIELCh color $45, 6.638, 316.062$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 6.587, 135.396$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 6.858, 316.840$, and $25, 6.534, 315.158$ is the 20% darker color. If you saturate the color by 10%, you get $41, 14.348, 316.479$, and if you desaturate by 10%, it is $49, 0.922, 135.816$.

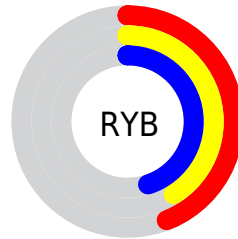
Distribution



Red (44%)

Green (41%)

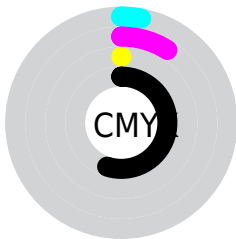
Blue (45%)



Red (44%)

Yellow (41%)

Blue (45%)

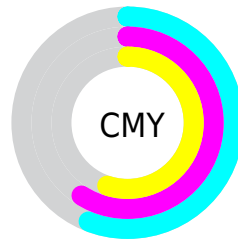


Cyan (3%)

Magenta (9%)

Yellow (0%)

Black (55%)



Cyan (56%)

Magenta (59%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.638, 316.062 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, 6.638, 316.062 by changing the saturation by 10% instead.

■ 45, 6.638, 316.062

■ 45, 6.638, 316.062

■ 100, 6.638,
316.062

■ 35, 6.638, 316.062

■ 65, 6.638, 316.062

■ 25, 6.638, 316.062

■ 75, 6.638, 316.062

■ 15, 6.638, 316.062

■ 85, 6.638, 316.062

■ 5, 6.638, 316.062

■ 95, 6.638, 316.062

■ 0, 6.638, 316.062

■ 45, 6.638, 316.062

■ 45, 6.638, 316.062

■ 41, 14.348,
316.479

■ 49, 0.922, 135.816

■ 38, 22.159,

■ 52, 8.299, 135.331

316.898

56, 15.479,
134.980

35, 29.981,
317.306

59, 22.459,
134.662

31, 37.677,
317.682

63, 29.240,
134.373

28, 45.044,
317.994

66, 35.828,
134.111

26, 51.801,
318.202

70, 42.230,
133.876

23, 57.603,
318.253

73, 48.456,
133.664

21, 62.086,
318.091

77, 54.515,
133.476

20, 65.571,
317.789

Harmonies

Complementary

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



45, 6.638, 316.062



47, 6.587, 135.396

Rectangle

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



45, 6.638, 316.062



45, 6.638, 6.062



45, 6.638, 136.062



45, 6.638, 186.062

Sweetspot

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



45, 6.637, 316.060



60, 2.797, 315.801



45, 4.240, 273.536



30, 2.107, 315.838



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, 6.637, 316.060



56, 10.330, 316.166



45, 6.376, 330.430



22, 4.201, 316.070



21, 68.378, 317.714



46, 117.136, 317.191

Inverse Universe

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



45, 4.521, 356.672



57, 7.054, 356.930



47, 6.357, 149.454



22, 2.863, 356.695



24, 49.600, 18.745



52, 86.225, 22.247

Previews

White Background



This preview shows how the CIELCh color 45, 6.638, 316.062 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, 6.638, 316.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

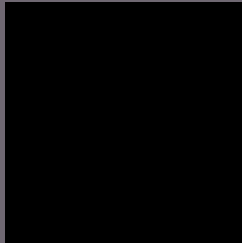
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 6.638, 316.062

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.638, 316.062.



This preview shows how white text looks on a background with the CIELCh color 45, 6.638, 316.062.

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, 6.638, 316.062

Protanopia

45, 5.374, 290.938

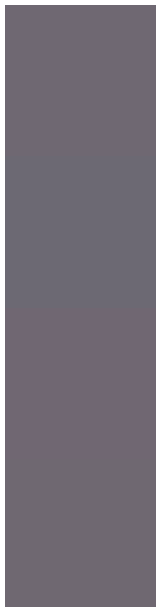
Deuteranopia

45, 7.751, 322.398



Tritanopia
45, 6.106, 318.447

Trichromacy



Original Color

45, 6.638, 316.062

Protanomaly

45, 6.112, 302.283

Deuteranomaly

45, 7.547, 319.743

Tritanomaly

45, 6.106, 318.447

Monochromacy



Original Color

45, 6.638, 316.062

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 2.697, 317.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.638, 316.062 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(111, 104, 114)` looks like.

```
.text, #text, p{  
    color:rgb(111, 104, 114)  
}
```

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(111, 104, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 104, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.638, 316.062 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(111, 104, 114) }
```

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

```
.border{ border-color:rgb(111, 104, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 104, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 104, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 104, 114);  
box-shadow:4px 4px 4px 4px rgb(111, 104,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.638, 316.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 104, 114) }
```

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

```
.background{ background-color: rgb(111,  
104, 114) }
```

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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