

Converting Colors

CIELCh(45, 4.262, 309.300)

Have a look what the booklet for
CIELCh(45, 4.262, 309.300) contains.

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Color

CIELCh(45, 4.504, 311.751)

Conversions

Conversions Part 1

Format	Color
Hex	6D6970
RGB	109, 105, 112
RGB Percent	43%, 41%, 44%
CMY	0.5723, 0.5880, 0.5605
CMYK	0.03, 0.06, 0.00, 0.56
HSL	274°, 3%, 43%
HSV	274°, 6%, 44%
XYZ	14.2999, 14.5417, 17.4001
YIQ	106.9940, 0.1370, 3.0250

Conversions

Conversions Part 2

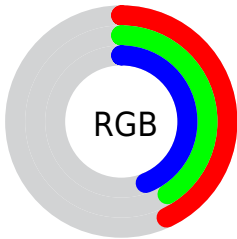
Format	Color
R_{YB}	109, 105, 112
Decimal	7170416
CIE Lab	45.00, 3.00, -3.36
CIE LCh	45, 4.504, 311.751
Yxy	14.5417, 0.3092, 0.3145
Android (android.graphics.Color)	4285360496 (0xFF6D6970)
YUV	106.9940, 2.4680, 1.7593
Hunter-Lab	38.1336, 0.2025, -0.3600

Details

The CIELCh color **45, 4.504, 311.751** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 4.463, 131.294**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 4.723, 309.256**, and **25, 4.360, 314.991** is the 20% darker color. If you saturate the color by 10%, you get **41, 11.852, 312.179**, and if you desaturate by 10%, it is **49, 2.661, 131.414**.

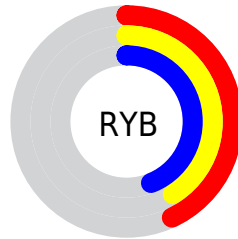
Distribution



Red (43%)

Green (41%)

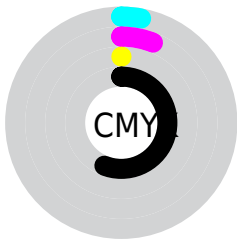
Blue (44%)



Red (43%)

Yellow (41%)

Blue (44%)

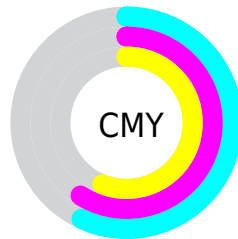


Cyan (3%)

Magenta (6%)

Yellow (0%)

Black (56%)



Cyan (57%)

Magenta (59%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.504, 311.751 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, 4.504, 311.751 by changing the saturation by 10% instead.

■ 45, 4.504, 311.751

■ 45, 4.504, 311.751

■ 100, 4.504,
311.751

■ 35, 4.504, 311.751

■ 65, 4.504, 311.751

■ 25, 4.504, 311.751

■ 75, 4.504, 311.751

■ 15, 4.504, 311.751

■ 85, 4.504, 311.751

■ 5, 4.504, 311.751

■ 95, 4.504, 311.751

■ 0, 4.504, 311.751

■ 45, 4.504, 311.751

■ 45, 4.504, 311.751

■ 41, 11.852,
312.179

■ 49, 2.661, 131.414

■ 38, 19.360,

■ 52, 9.627, 131.033

312.626

56, 16.393,
130.708

34, 26.975,
313.084

59, 22.962,
130.419

31, 34.604,
313.534

63, 29.341,
130.162

28, 42.098,
313.947

67, 35.537,
129.935

25, 49.227,
314.278

70, 41.561,
129.735

22, 55.664,
314.467

74, 47.420,
129.560

19, 60.998,
314.435

77, 53.125,
129.408

18, 65.136,
314.186

Harmonies

Complementary

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



45, 4.504, 311.751



47, 4.463, 131.294

Rectangle

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



45, 4.504, 311.751



45, 4.504, 1.751



45, 4.504, 131.751



45, 4.504, 181.751

Sweetspot

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



45, 4.503, 311.747



59, 1.780, 311.538



46, 2.638, 263.122



31, 1.020, 311.527



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, 4.503, 311.747



57, 6.253, 311.788



45, 4.850, 326.582



22, 3.251, 311.789



18, 70.078, 314.059



42, 120.284, 313.439

Inverse Universe

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



45, 3.405, 348.116



57, 4.730, 348.207



46, 4.838, 145.976



22, 2.459, 348.209



24, 48.305, 6.837



53, 82.655, 9.892

Previews

White Background



This preview shows how the CIELCh color 45, 4.504, 311.751 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, 4.504, 311.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

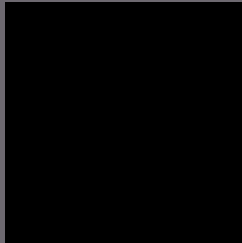
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 4.504, 311.751

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.504, 311.751.



This preview shows how white text looks on a background with the CIELCh color 45, 4.504, 311.751.

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, 4.504, 311.751

Protanopia

45, 4.205, 296.235

Deuteranopia

45, 7.026, 330.433



Tritanopia
45, 5.065, 309.349

Trichromacy



Original Color

45, 4.504, 311.751

Protanomaly

45, 4.267, 301.606

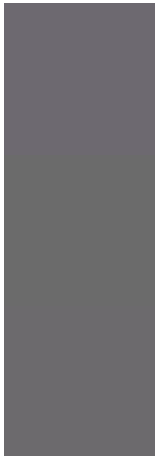
Deuteranomaly

45, 5.806, 324.783

Tritanomaly

45, 5.065, 309.349

Monochromacy



Original Color

45, 4.504, 311.751

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.980, 314.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.504, 311.751 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(109, 105, 112)` looks like.

```
.text, #text, p{  
    color:rgb(109, 105, 112)  
}
```

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(109, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 105, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.504, 311.751 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(109, 105, 112) }
```

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

```
.border{ border-color:rgb(109, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(109, 105,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.504, 311.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 105, 112) }
```

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

```
.background{ background-color: rgb(109,  
105, 112) }
```

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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