

Converting Colors

CIELCh(45, 30.929, 307.944)

Have a look what the booklet for
CIELCh(45, 30.929, 307.944)
contains.

CIELCh(45, 30.909, 308.063)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 30.909, 308.063)

Conversions

Conversions Part 1

Format	Color
Hex	766193
RGB	118, 97, 147
RGB Percent	46%, 38%, 58%
CMY	0.5368, 0.6191, 0.4230
CMYK	0.20, 0.34, 0.00, 0.42
HSL	265°, 20%, 48%
HSV	265°, 34%, 58%
XYZ	17.0497, 14.5417, 29.5638
YIQ	108.9790, -3.5340, 20.0020

Conversions

Conversions Part 2

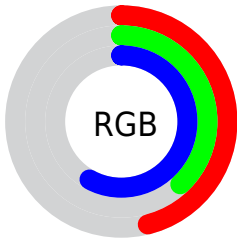
Format	Color
R _Y B	118, 97, 147
Decimal	7758227
CIE Lab	45.00, 19.06, -24.34
CIE LCh	45, 30.909, 308.063
Yxy	14.5417, 0.2788, 0.2378
Android (android.graphics.Color)	4285948307 (0xFF766193)
YUV	108.9790, 18.7444, 7.9114
Hunter-Lab	38.1336, 13.0744, -19.2723

Details

The CIELCh color `45, 30.909, 308.063` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `58, 29.240, 124.585`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 30.693, 308.110`, and `25, 31.024, 307.917` is the 20% darker color. If you saturate the color by 10%, you get `40, 40.463, 308.696`, and if you desaturate by 10%, it is `50, 21.517, 307.462`.

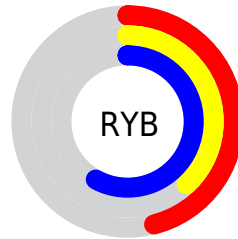
Distribution



Red (46%)

Green (38%)

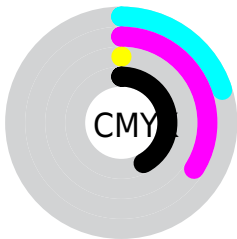
Blue (58%)



Red (46%)

Yellow (38%)

Blue (58%)

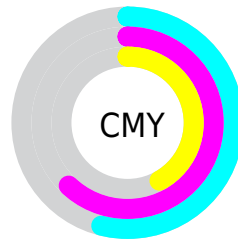


Cyan (20%)

Magenta (34%)

Yellow (0%)

Black (42%)



Cyan (54%)


Magenta (62%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 30.909, 308.063 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, 30.909, 308.063 by changing the saturation by 10% instead.


 45, 30.909,
308.063


 45, 30.909,
308.063


 100, 30.909,
308.063


 35, 30.909,
308.063

 65, 30.909,
308.063


 25, 30.909,
308.063

 75, 30.909,
308.063

 15, 30.909,
308.063

 85, 30.909,
308.063

 5, 30.909, 308.063

 95, 30.909,
308.063

 0, 30.909, 308.063

 45, 30.909,

 45, 30.909,

308.063

■ 40, 40.463,
308.696

■ 36, 50.045,
309.333

■ 32, 59.404,
309.927

■ 28, 68.127,
310.399

■ 25, 75.612,
310.640

■ 22, 81.157,
310.524

■ 21, 84.052,
310.430

308.063

■ 50, 21.517,
307.462

■ 54, 12.363,
306.906

■ 59, 3.476, 306.391

■ 64, 5.135, 125.980

■ 69, 13.470,
125.576

■ 73, 21.540,
125.228

■ 78, 29.357,
124.925

■ 82, 36.932,
124.663

■ 87, 44.281,
124.436

Harmonies

Complementary

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



45, 30.909, 308.063



58, 29.240, 124.585

Rectangle

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



45, 30.909, 308.063



45, 30.909, 358.063



45, 30.909, 128.063



45, 30.909, 178.063

Sweetspot

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



45, 30.908, 308.063



72, 10.883, 306.708



51, 15.462, 250.781



37, 7.498, 306.774



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



45, 30.908, 308.063



54, 46.605, 308.558



48, 33.917, 323.795



29, 4.978, 306.657



19, 80.039, 310.496



0, 4.297, 306.225

Inverse Universe

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



47, 26.078, 342.417



57, 38.816, 343.228



57, 33.748, 140.090



29, 4.298, 340.228



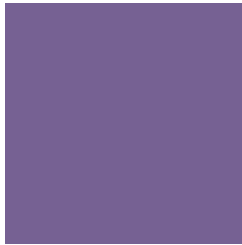
29, 55.029, 353.775



1, 3.724, 339.577

Previews

White Background



This preview shows how the CIELCh color 45, 30.909, 308.063 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, 30.909, 308.063 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, 30.909, 308.063

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.909, 308.063.



This preview shows how white text looks on a background with the CIELCh color 45, 30.909, 308.063.

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, 30.909, 308.063

Protanopia

45, 28.800, 284.990

Deuteranopia

45, 23.993, 285.286



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color
45, 30.909, 308.063

Protanomaly
45, 29.268, 293.483

Deuteranomaly
45, 26.318, 294.510

Tritanomaly
45, 15.288, 311.328

Monochromacy



Original Color
45, 30.909, 308.063

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 11.118, 305.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.909, 308.063 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(118, 97, 147)` looks like.

```
.text, #text, p{  
    color:rgb(118, 97, 147)  
}
```

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(118, 97, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 97, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.909, 308.063 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(118, 97, 147) }
```

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

```
.border{ border-color:rgb(118, 97, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 97, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 97, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 97, 147);  
box-shadow:4px 4px 4px 4px rgb(118, 97,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.909, 308.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 97, 147) }
```

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

```
.background{ background-color: rgb(118, 97,  
147) }
```

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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