

Converting Colors

CIELCh(48, 80.335, 300.862)

Have a look what the booklet for
CIELCh(48, 80.335, 300.862)
contains.

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Color

CIELCh(48, 80.430, 300.905)

Conversions

Conversions Part 1

Format	Color
Hex	675EE8
RGB	103, 94, 232
RGB Percent	40%, 37%, 91%
CMY	0.5948, 0.6304, 0.0890
CMYK	0.56, 0.59, 0.00, 0.09
HSL	244°, 75%, 64%
HSV	244°, 59%, 91%
XYZ	24.2613, 16.7945, 78.5260
YIQ	112.4230, -38.9340, 44.8260

Conversions

Conversions Part 2

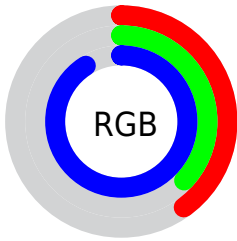
Format	Color
R _Y B	103, 94, 232
Decimal	6774504
CIE Lab	48.00, 41.31, -69.01
CIE LCh	48, 80.430, 300.905
Yxy	16.7945, 0.2029, 0.1404
Android (android.graphics.Color)	4284964584 (0xFF675EE8)
YUV	112.4230, 58.9515, -8.2640
Hunter-Lab	40.9810, 33.9574, -84.9220

Details

The CIELCh color **48, 80.430, 300.905** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **89, 67.537, 107.848**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 61.239, 300.891**, and **28, 80.353, 300.913** is the 20% darker color. If you saturate the color by 10%, you get **41, 94.953, 302.785**, and if you desaturate by 10%, it is **55, 65.742, 299.082**.

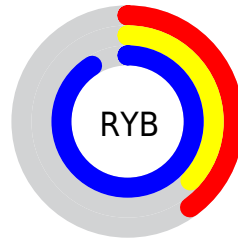
Distribution



Red (40%)

Green (37%)

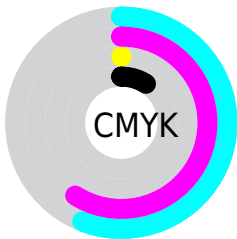
Blue (91%)



Red (40%)

Yellow (37%)

Blue (91%)

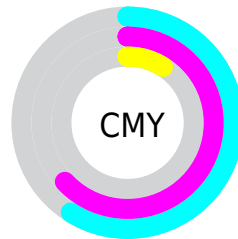


Cyan (56%)

Magenta (59%)

Yellow (0%)

Black (9%)



Cyan (59%)


Magenta (63%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 80.430, 300.905 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 48, 80.430, 300.905 by changing the saturation by 10% instead.


 48, 80.430,
300.905


 48, 80.430,
300.905


 100, 80.430,
300.905


 38, 80.430,
300.905

 68, 80.430,
300.905


 28, 80.430,
300.905

 78, 80.430,
300.905


 18, 80.430,
300.905


 88, 80.430,
300.905

 8, 80.430, 300.905

 98, 80.430,
300.905

 0, 80.430, 300.905

 48, 80.430,

 48, 80.430,

300.905

■ 41, 94.953,
302.785

■ 36, 108.216,
304.508

■ 32, 118.408,
305.772

■ 29, 124.123,
306.406

■ 29, 124.389,
306.440

300.905

■ 55, 65.742,
299.082

■ 62, 51.393,
297.422

■ 70, 37.561,
295.964

■ 78, 24.286,
294.707

■ 85, 11.551,
293.634

■ 93, 0.677, 112.649

■ 99, 11.492,
109.309

Harmonies

Complementary

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



48, 80.430, 300.905



89, 67.537, 107.848

Rectangle

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



48, 80.430, 300.905



48, 80.430, 350.905



48, 80.430, 120.905



48, 80.430, 170.905

Sweetspot

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



48, 80.430, 300.906



85, 24.203, 294.553



83, 36.534, 202.817



43, 16.920, 294.894



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 80.430, 300.906



44, 104.803, 303.139



55, 80.269, 313.549



45, 7.017, 293.638



22, 103.137, 306.487



3, 35.874, 299.305

Inverse Universe

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



62, 79.736, 329.523



64, 97.413, 330.057



85, 74.292, 128.156



46, 8.087, 326.771



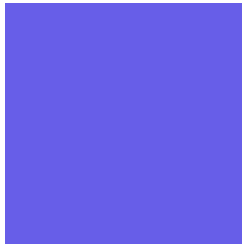
42, 84.882, 331.027



9, 36.623, 330.593

Previews

White Background



This preview shows how the CIELCh color 48, 80.430, 300.905 looks on a white background.

Color Contrast Check

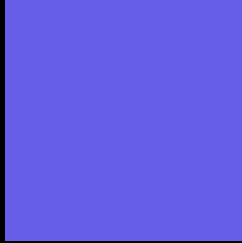
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 80.430, 300.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

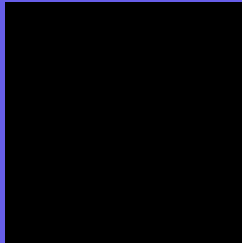
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 80.430, 300.905

Background



This preview shows how black text looks on a background with the CIELCh color 48, 80.430, 300.905.



This preview shows how white text looks on a background with the CIELCh color 48, 80.430, 300.905.

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





Tritanopia
48, 19.140, 215.728

Trichromacy



Original Color
48, 80.430, 300.905



Protanomaly
47, 75.265, 290.798



Deuteranomaly
47, 61.814, 285.532



Tritanomaly
47, 33.916, 278.357

Monochromacy



Original Color
48, 80.430, 300.905



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 29.694, 296.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 80.430, 300.905 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(103, 94, 232)` looks like.

```
.text, #text, p{  
    color:rgb(103, 94, 232)  
}
```

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(103, 94, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 94, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 80.430, 300.905 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(103, 94, 232) }
```

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

```
.border{ border-color:rgb(103, 94, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 94, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 94, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 94, 232);  
box-shadow:4px 4px 4px 4px rgb(103, 94,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 80.430, 300.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 94, 232) }
```

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

```
.background{ background-color: rgb(103, 94,  
232) }
```

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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