

Converting Colors

CIELCh(48, 91.281, 304.281)

Have a look what the booklet for
CIELCh(48, 91.281, 304.281)
contains.

CIELCh(48, 91.366, 304.314)	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(48, 91.366, 304.314)

Conversions

Conversions Part 1

Format	Color
Hex	7356F4
RGB	115, 86, 244
RGB Percent	45%, 34%, 96%
CMY	0.5496, 0.6632, 0.0437
CMYK	0.53, 0.65, 0.00, 0.04
HSL	251°, 88%, 65%
HSV	251°, 65%, 96%
XYZ	26.6769, 16.7945, 87.3120
YIQ	112.6830, -33.4340, 55.2860

Conversions

Conversions Part 2

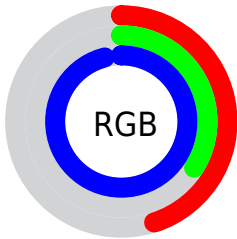
Format	Color
R _{YB}	115, 86, 244
Decimal	7558900
CIE Lab	48.00, 51.51, -75.46
CIE LCh	48, 91.366, 304.314
Yxy	16.7945, 0.2040, 0.1284
Android (android.graphics.Color)	4285748980 (0xFF7356F4)
YUV	112.6830, 64.7393, 2.0320
Hunter-Lab	40.9810, 44.4791, -97.6334

Details

The CIELCh color **48, 91.366, 304.314** is a light color, and the websafe version is hex **6666FF**. The color can be described as light muted purple. A complement of this color would be **92, 76.243, 113.204**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 66.457, 306.220**, and **28, 91.753, 304.325** is the 20% darker color. If you saturate the color by 10%, you get **42, 105.444, 305.573**, and if you desaturate by 10%, it is **55, 76.461, 302.971**.

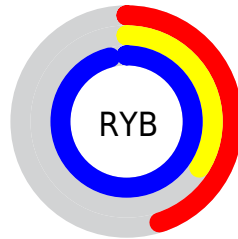
Distribution



Red (45%)

Green (34%)

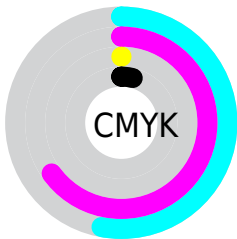
Blue (96%)



Red (45%)

Yellow (34%)

Blue (96%)

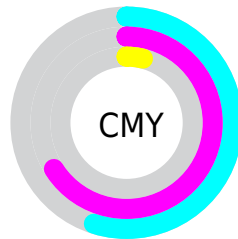


Cyan (53%)

Magenta (65%)

Yellow (0%)

Black (4%)



Cyan (55%)


Magenta (66%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 91.366, 304.314 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, 91.366, 304.314 by changing the saturation by 10% instead.


 48, 91.366,
304.314


 48, 91.366,
304.314


 100, 91.366,
304.314


 38, 91.366,
304.314

 68, 91.366,
304.314


 28, 91.366,
304.314

 78, 91.366,
304.314

 18, 91.366,
304.314

 88, 91.366,
304.314

 8, 91.366, 304.314

 98, 91.366,
304.314

 0, 91.366, 304.314

 48, 91.366,

 48, 91.366,

304.314

■ 42, 105.444,
305.573

■ 37, 117.321,
306.536

■ 33, 125.259,
306.964

■ 32, 127.876,
307.018

304.314

■ 55, 76.461,
302.971

■ 62, 61.517,
301.671

■ 70, 46.906,
300.479

■ 77, 32.778,
299.420

■ 85, 19.175,
298.496

■ 93, 6.092, 297.695

■ 100, 5.647,
112.447

■ 100, 5.637,
109.743

Harmonies

Complementary

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



48, 91.366, 304.314



92, 76.243, 113.204

Rectangle

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



48, 91.366, 304.314



48, 91.366, 354.314



48, 91.366, 124.314



48, 91.366, 174.314

Sweetspot

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



48, 91.366, 304.315



85, 25.766, 298.874



80, 36.343, 222.743



43, 17.832, 299.142



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, 91.366, 304.315



42, 113.598, 305.946



57, 90.603, 317.695



47, 7.321, 298.057



23, 104.257, 307.121



3, 40.456, 303.871

Inverse Universe

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



62, 81.716, 334.305



61, 94.574, 335.345



87, 86.448, 132.039



48, 7.713, 330.515



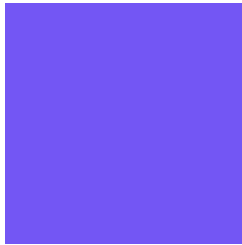
42, 79.088, 337.170



10, 35.817, 335.777

Previews

White Background



This preview shows how the CIELCh color 48, 91.366, 304.314 looks on a white background.

Color Contrast Check

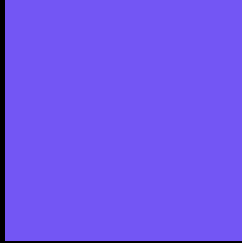
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.366, 304.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

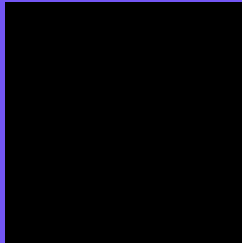
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 91.366, 304.314

Background



This preview shows how black text looks on a background with the CIELCh color 48, 91.366, 304.314.

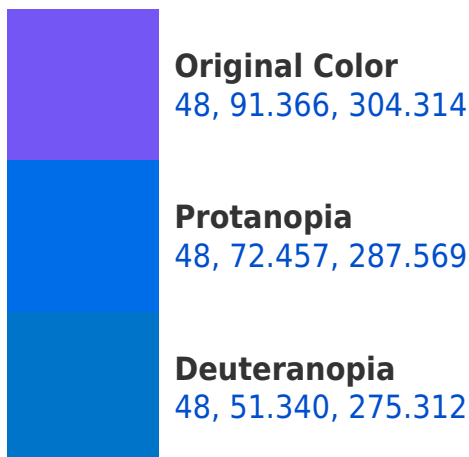



This preview shows how white text looks on a background with the CIELCh color 48, 91.366, 304.314.

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, 15.521, 220.525

Trichromacy



Original Color
48, 91.366, 304.314



Protanomaly
47, 79.287, 292.575



Deuteranomaly
46, 65.783, 288.027



Tritanomaly
47, 37.410, 287.180

Monochromacy



Original Color
48, 91.366, 304.314



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 34.687, 300.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 91.366, 304.314 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(115, 86, 244)` looks like.

```
.text, #text, p{  
    color:rgb(115, 86, 244)  
}
```

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(115, 86, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 86, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 91.366, 304.314 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(115, 86, 244) }
```

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

```
.border{ border-color:rgb(115, 86, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 86, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 86, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 86, 244);  
box-shadow:4px 4px 4px 4px rgb(115, 86,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 91.366, 304.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 86, 244) }
```

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

```
.background{ background-color: rgb(115, 86,  
244) }
```

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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