

Converting Colors

CIELCh(48, 78.210, 307.055)

Have a look what the booklet for
CIELCh(48, 78.210, 307.055)
contains.

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Color

CIELCh(48, 78.457, 307.148)

Conversions

Conversions Part 1

Format	Color
Hex	8257DD
RGB	130, 87, 221
RGB Percent	51%, 34%, 87%
CMY	0.4900, 0.6587, 0.1332
CMYK	0.41, 0.61, 0.00, 0.13
HSL	259°, 66%, 60%
HSV	259°, 61%, 87%
XYZ	25.6806, 16.7945, 70.3256
YIQ	115.1330, -17.3860, 50.7900

Conversions

Conversions Part 2

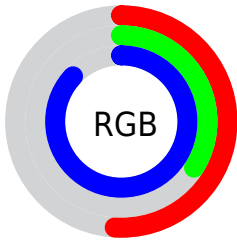
Format	Color
R_{YB}	130, 87, 221
Decimal	8542173
CIE _{Lab}	48.00, 47.38, -62.54
CIE _{LCh}	48, 78.457, 307.148
Yxy	16.7945, 0.2277, 0.1489
Android (android.graphics.Color)	4286732253 (0xFF8257DD)
YUV	115.1330, 52.1924, 13.0384
Hunter-Lab	40.9810, 40.1395, -73.0580

Details

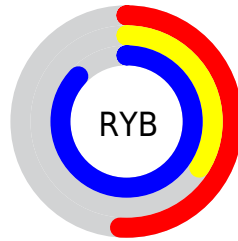
The CIELCh color **48, 78.457, 307.148** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **83, 68.425, 119.470**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 65.668, 308.978**, and **28, 78.395, 307.156** is the 20% darker color. If you saturate the color by 10%, you get **42, 91.295, 307.939**, and if you desaturate by 10%, it is **54, 65.014, 306.279**.

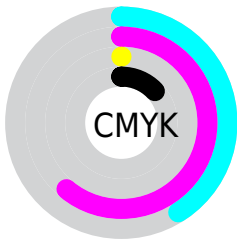
Distribution



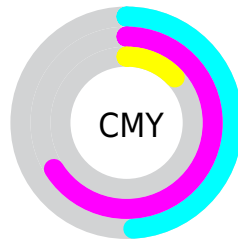
- Red (51%)
- Green (34%)
- Blue (87%)



- Red (51%)
- Yellow (34%)
- Blue (87%)



- Cyan (41%)
- Magenta (61%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (66%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 78.457, 307.148 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, 78.457, 307.148 by changing the saturation by 10% instead.

 48, 78.457,
307.148

 48, 78.457,
307.148

 100, 78.457,
307.148

 38, 78.457,
307.148

 68, 78.457,
307.148

 28, 78.457,
307.148

 78, 78.457,
307.148

 18, 78.457,
307.148

 88, 78.457,
307.148

 8, 78.457, 307.148

 98, 78.457,
307.148

 0, 78.457, 307.148

 48, 78.457,

 48, 78.457,

307.148

307.148

■ 42, 91.295,
307.939

■ 54, 65.014,
306.279

■ 37, 102.623,
308.516

■ 61, 51.510,
305.414

■ 33, 111.215,
308.706

■ 67, 38.233,
304.600

■ 31, 116.309,
308.499


■ 74, 25.318,
303.859

■ 81, 12.819,
303.196

■ 88, 0.749, 302.539

■ 94, 10.900,
122.118

■ 99, 17.285,
114.793

 99, 17.173,
108.879

Harmonies

Complementary

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



48, 78.457, 307.148



83, 68.425, 119.470

Rectangle

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



48, 78.457, 307.148



48, 78.457, 357.148



48, 78.457, 127.148



48, 78.457, 177.148

Sweetspot

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



48, 78.456, 307.149



86, 24.707, 303.687



69, 33.036, 243.365



44, 17.255, 303.891



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, 78.456, 307.149



47, 105.669, 308.140



56, 79.752, 321.742



42, 6.792, 303.122



23, 96.841, 308.652



3, 30.259, 303.035

Inverse Universe

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



57, 65.773, 340.328



61, 83.613, 341.962



80, 78.471, 135.571



43, 6.388, 335.768



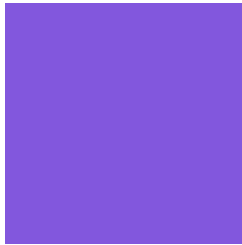
38, 68.300, 346.344



6, 27.643, 342.464

Previews

White Background



This preview shows how the CIELCh color 48, 78.457, 307.148 looks on a white background.

Color Contrast Check

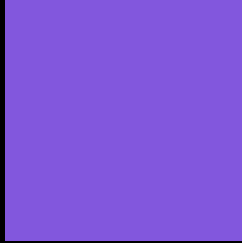
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 78.457, 307.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

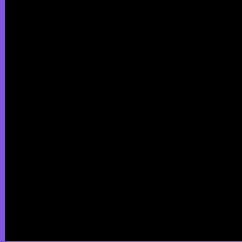
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 78.457, 307.148

Background



This preview shows how black text looks on a background with the CIELCh color 48, 78.457, 307.148.

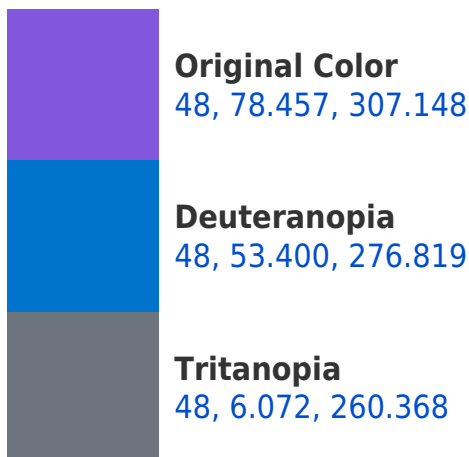


This preview shows how white text looks on a background with the CIELCh color 48, 78.457, 307.148.

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



Trichromacy



Original Color
48, 78.457, 307.148

Deuteranomaly
46, 62.378, 287.340

Tritanomaly
47, 32.236, 300.338

Monochromacy



Original Color
48, 78.457, 307.148

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 29.574, 304.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 78.457, 307.148 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(130, 87, 221)` looks like.

```
.text, #text, p{  
    color:rgb(130, 87, 221)  
}
```

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(130, 87, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 87, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 78.457, 307.148 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(130, 87, 221) }
```

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

```
.border{ border-color:rgb(130, 87, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 87, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 87, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 87, 221);  
box-shadow:4px 4px 4px 4px rgb(130, 87,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 78.457, 307.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 87, 221) }
```

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

```
.background{ background-color: rgb(130, 87,  
221) }
```

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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