

Converting Colors

CIELCh(50, 79.404, 310.442)

Have a look what the booklet for
CIELCh(50, 79.404, 310.442)
contains.

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Color

CIELCh(50, 79.465, 310.456)

Conversions

Conversions Part 1

Format	Color
Hex	9357DF
RGB	147, 87, 223
RGB Percent	58%, 34%, 87%
CMY	0.4226, 0.6580, 0.1245
CMYK	0.34, 0.61, 0.00, 0.12
HSL	266°, 68%, 61%
HSV	266°, 61%, 88%
XYZ	28.8549, 18.4187, 72.0197
YIQ	120.4440, -7.8960, 55.0160

Conversions

Conversions Part 2

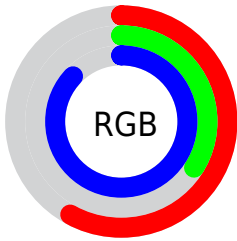
Format	Color
R_{YB}	147, 87, 223
Decimal	9656287
CIE _{Lab}	50.00, 51.56, -60.47
CIE _{LCh}	50, 79.465, 310.456
Yxy	18.4187, 0.2419, 0.1544
Android (android.graphics.Color)	4287846367 (0xFF9357DF)
YUV	120.4440, 50.5601, 23.2896
Hunter-Lab	42.9170, 44.9085, -69.4537

Details

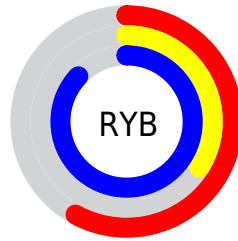
The CIELCh color **50, 79.465, 310.456** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **83, 71.340, 124.267**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 66.585, 313.558**, and **30, 79.381, 310.377** is the 20% darker color. If you saturate the color by 10%, you get **45, 91.722, 310.910**, and if you desaturate by 10%, it is **56, 66.325, 309.879**.

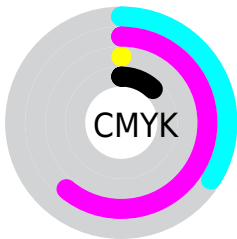
Distribution



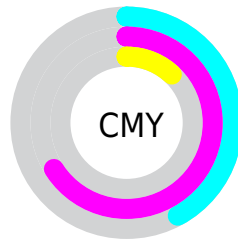
- Red (58%)
- Green (34%)
- Blue (87%)



- Red (58%)
- Yellow (34%)
- Blue (87%)



- Cyan (34%)
- Magenta (61%)
- Yellow (0%)
- Black (12%)





- Cyan (42%)
- Magenta (66%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 79.465, 310.456 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 50, 79.465, 310.456 by changing the saturation by 10% instead.


 50, 79.465,
310.456

 50, 79.465,
310.456


 100, 79.465,
310.456


 40, 79.465,
310.456


 70, 79.465,
310.456

 30, 79.465,
310.456

 80, 79.465,
310.456

 20, 79.465,
310.456

 90, 79.465,
310.456

 10, 79.465,
310.456

 0, 79.465, 310.456

 50, 79.465,
310.456

 50, 79.465,
310.456

45, 91.722,
310.910

56, 66.325,
309.879

40, 102.241,
311.128

62, 52.888,
309.258

36, 110.001,
310.976

69, 39.502,
308.640

34, 114.441,
310.510

75, 26.361,
308.054

82, 13.561,
307.512

88, 1.145, 306.941

95, 10.875,
126.612

99, 16.359,
119.168

99, 16.063,
108.963

Harmonies

Complementary

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



50, 79.465, 310.456



83, 71.340, 124.267

Rectangle

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



50, 79.465, 310.456



50, 79.465, 0.456



50, 79.465, 130.456



50, 79.465, 180.456

Sweetspot

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



50, 79.464, 310.456



87, 25.148, 307.897



65, 37.474, 260.334



44, 17.551, 308.061



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 79.464, 310.456



50, 104.685, 310.995



59, 81.645, 325.401



44, 7.059, 307.435



26, 95.618, 310.685



3, 33.075, 308.099

Inverse Universe

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



57, 62.049, 347.156



60, 78.238, 349.482



80, 81.920, 137.942



44, 5.980, 341.324



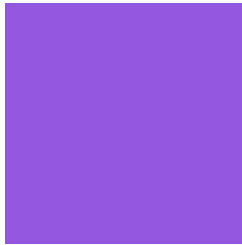
38, 65.137, 356.405



6, 27.114, 350.431

Previews

White Background



This preview shows how the CIELCh color 50, 79.465, 310.456 looks on a white background.

Color Contrast Check

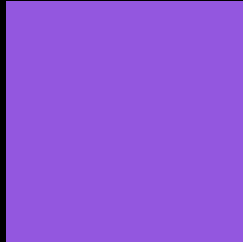
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 79.465, 310.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

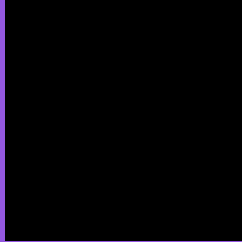
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 79.465, 310.456

Background



This preview shows how black text looks on a background with the CIELCh color 50, 79.465, 310.456.

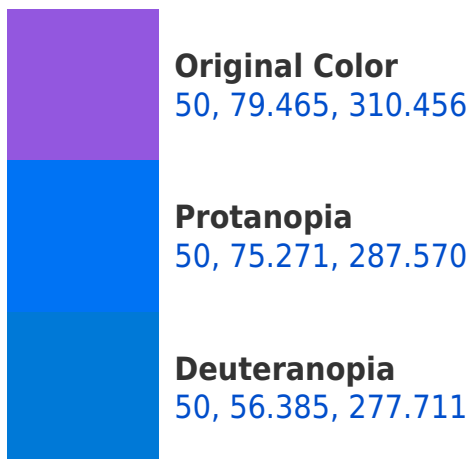



This preview shows how white text looks on a background with the CIELCh color 50, 79.465, 310.456.

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
50, 7.439, 335.237

Trichromacy



Original Color
50, 79.465, 310.456



Protanomaly
48, 76.602, 292.229



Deuteranomaly
48, 64.215, 287.980



Tritanomaly
49, 34.089, 312.212

Monochromacy



Original Color
50, 79.465, 310.456



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 29.900, 308.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 79.465, 310.456 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(147, 87, 223)` looks like.

```
.text, #text, p{  
    color:rgb(147, 87, 223)  
}
```

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(147, 87, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 87, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 79.465, 310.456 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(147, 87, 223) }
```

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

```
.border{ border-color:rgb(147, 87, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 87, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 87, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 87, 223);  
box-shadow:4px 4px 4px 4px rgb(147, 87,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 79.465, 310.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 87, 223) }
```

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

```
.background{ background-color: rgb(147, 87,  
223) }
```

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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