

Converting Colors

CIELCh(64, 53.816, 320.028)

Have a look what the booklet for
CIELCh(64, 53.816, 320.028)
contains.

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Color

CIELCh(64, 53.808, 320.090)

Conversions

Conversions Part 1

Format	Color
Hex	C681D9
RGB	198, 129, 217
RGB Percent	78%, 51%, 85%
CMY	0.2227, 0.4934, 0.1482
CMYK	0.09, 0.41, 0.00, 0.15
HSL	287°, 54%, 68%
HSV	287°, 41%, 85%
XYZ	43.7655, 32.8017, 69.8048
YIQ	159.6630, 12.8760, 41.9960

Conversions

Conversions Part 2

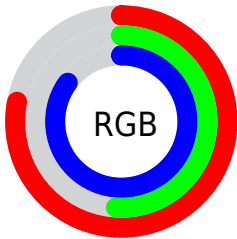
Format	Color
RYB	198, 129, 217
Decimal	13009369
CIELab	64.00, 41.27, -34.52
CIELCh	64, 53.808, 320.090
Yxy	32.8017, 0.2990, 0.2241
Android (android.graphics.Color)	4291199449 (0xFFC681D9)
YUV	159.6630, 28.2671, 33.6215
Hunter-Lab	57.2727, 36.1751, -32.1725

Details

The CIELCh color $64, 53.808, 320.090$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $81, 52.784, 136.108$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 45.110, 325.986$, and $44, 53.705, 320.141$ is the 20% darker color. If you saturate the color by 10%, you get $59, 66.547, 320.452$, and if you desaturate by 10%, it is $69, 40.562, 319.674$.

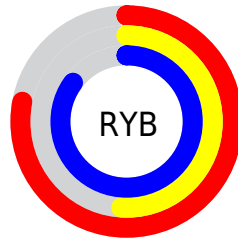
Distribution



Red (78%)

Green (51%)

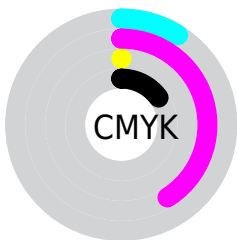
Blue (85%)



Red (78%)

Yellow (51%)

Blue (85%)

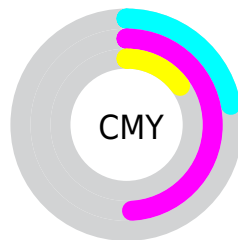


Cyan (9%)

Magenta (41%)

Yellow (0%)

Black (15%)



Cyan (22%)


Magenta (49%)


Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 53.808, 320.090 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 64, 53.808, 320.090 by changing the saturation by 10% instead.

 64, 53.808,
320.090

 64, 53.808,
320.090


 100, 53.808,
320.090


 54, 53.808,
320.090


 84, 53.808,
320.090

 44, 53.808,
320.090

 94, 53.808,
320.090

 34, 53.808,
320.090

 24, 53.808,
320.090

 14, 53.808,
320.090

 4, 53.808, 320.090

 0, 53.808, 320.090

64, 53.808,
320.090

64, 53.808,
320.090

59, 66.547,
320.452

69, 40.562,
319.674

54, 78.313,
320.724

75, 27.155,
319.231

51, 88.514,
320.861

81, 13.814,
318.779

47, 96.522,
320.813

86, 0.686, 318.042

45, 101.845,
320.535

92, 12.147,
137.960

44, 104.618,
320.073

97, 21.904,
136.871

97, 21.131,
132.980

98, 20.463,
128.768

■ 98, 19.914,
124.251

Harmonies

Complementary

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



64, 53.808, 320.090



81, 52.784, 136.108

Rectangle

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



64, 53.808, 320.090



64, 53.808, 10.090



64, 53.808, 140.090



64, 53.808, 190.090

Sweetspot

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



64, 53.806, 320.090



92, 17.972, 318.851



62, 38.812, 285.735



48, 11.934, 318.911



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 53.806, 320.090



69, 73.611, 320.417



65, 46.481, 336.601



43, 7.505, 318.729



35, 88.394, 320.186



5, 33.436, 320.520

Inverse Universe

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



64, 36.457, 7.117



69, 50.666, 8.896



80, 46.052, 150.092



43, 4.823, 2.874



36, 68.729, 27.955



5, 23.757, 10.939

Previews

White Background



This preview shows how the CIELCh color 64, 53.808, 320.090 looks on a white background.

Color Contrast Check

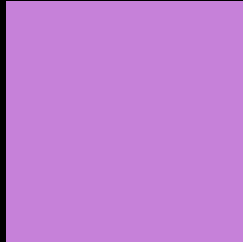
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 53.808, 320.090 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 ✓ Pass

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

CIELCh 64, 53.808, 320.090

Background



This preview shows how black text looks on a background with the CIELCh color 64, 53.808, 320.090.

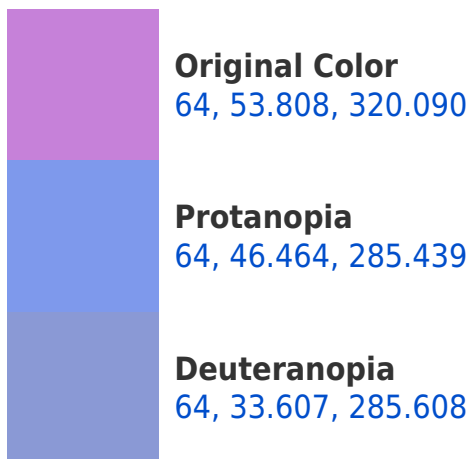


This preview shows how white text looks on a background with the CIELCh color 64, 53.808, 320.090.

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
64, 19.113, 2.874

Trichromacy



Original Color
64, 53.808, 320.090



Protanomaly
64, 47.619, 297.938



Deuteranomaly
64, 40.154, 301.632



Tritanomaly
64, 29.507, 335.355

Monochromacy



Original Color
64, 53.808, 320.090



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 20.114, 319.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 53.808, 320.090 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(198, 129, 217)` looks like.

```
.text, #text, p{  
    color:rgb(198, 129, 217)  
}
```

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(198, 129, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 129, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 53.808, 320.090 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(198, 129, 217) }
```

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

```
.border{ border-color:rgb(198, 129, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 129, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 129, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 129, 217);  
box-shadow:4px 4px 4px 4px rgb(198, 129,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 53.808, 320.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 129, 217) }
```

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

```
.background{ background-color: rgb(198,  
129, 217) }
```

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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