

Converting Colors

CIELCh(64, 45.766, 328.200)

Have a look what the booklet for
CIELCh(64, 45.766, 328.200)
contains.

CIELCh(64, 45.811, 327.950)	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(64, 45.811, 327.950)

Conversions

Conversions Part 1

Format	Color
Hex	CB82C7
RGB	203, 130, 199
RGB Percent	80%, 51%, 78%
CMY	0.2038, 0.4900, 0.2195
CMYK	0.00, 0.36, 0.02, 0.20
HSL	303°, 41%, 65%
HSV	303°, 36%, 80%
XYZ	42.9393, 32.8017, 58.1236
YIQ	159.6930, 21.3590, 36.9350

Conversions

Conversions Part 2

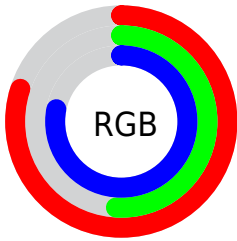
Format	Color
R _Y B	203, 130, 199
Decimal	13337287
CIE Lab	64.00, 38.83, -24.31
CIE LCh	64, 45.811, 327.950
Yxy	32.8017, 0.3208, 0.2450
Android (android.graphics.Color)	4291527367 (0xFFCB82C7)
YUV	159.6930, 19.3784, 37.9802
Hunter-Lab	57.2727, 33.6003, -20.0799

Details

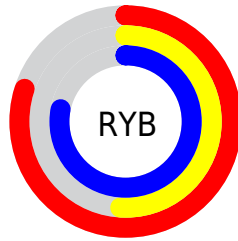
The CIELCh color `64, 45.811, 327.950` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `76, 45.848, 143.267`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 44.490, 325.965`, and `44, 45.675, 328.111` is the 20% darker color. If you saturate the color by 10%, you get `60, 57.770, 328.482`, and if you desaturate by 10%, it is `69, 33.238, 327.395`.

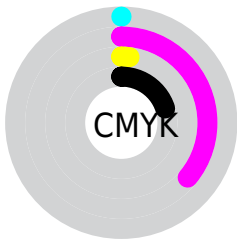
Distribution



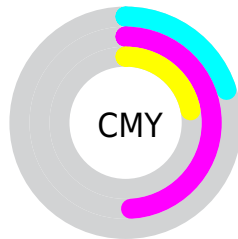
- Red (80%)
- Green (51%)
- Blue (78%)



- Red (80%)
- Yellow (51%)
- Blue (78%)



- Cyan (0%)
- Magenta (36%)
- Yellow (2%)
- Black (20%)





- Cyan (20%)
- Magenta (49%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 45.811, 327.950 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, 45.811, 327.950 by changing the saturation by 10% instead.


 64, 45.811,
327.950


 64, 45.811,
327.950


 100, 45.811,
327.950


 54, 45.811,
327.950


 84, 45.811,
327.950


 44, 45.811,
327.950


 94, 45.811,
327.950

 34, 45.811,
327.950

 24, 45.811,
327.950

 14, 45.811,
327.950

 4, 45.811, 327.950

 0, 45.811, 327.950

64, 45.811,
327.950

64, 45.811,
327.950

60, 57.770,
328.482

69, 33.238,
327.395

56, 68.676,
328.977

73, 20.410,
326.827

53, 78.016,
329.425

79, 7.577, 326.241

50, 85.298,
329.819

84, 5.089, 145.778

49, 90.178,
330.156

89, 17.480,
145.202

48, 92.612,
330.445

95, 29.537,
144.678

48, 93.215,
330.555

95, 30.976,
145.113

95, 30.514,
145.735

■ 96, 30.056,
146.376

Harmonies

Complementary

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



64, 45.811, 327.950



76, 45.848, 143.267

Rectangle

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



64, 45.811, 327.950



64, 45.811, 17.950



64, 45.811, 147.950



64, 45.811, 197.950

Sweetspot

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



64, 45.809, 327.950



93, 16.895, 326.550



57, 41.671, 296.362



49, 11.360, 326.629



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, 45.809, 327.950



75, 65.303, 328.358



63, 33.212, 350.119



40, 7.262, 326.448



39, 80.217, 330.520



5, 27.791, 329.333

Inverse Universe

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



64, 45.809, 327.950



75, 65.303, 328.358



76, 31.406, 162.895



40, 7.262, 326.448



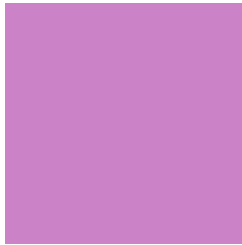
39, 80.217, 330.520



5, 27.791, 329.333

Previews

White Background



This preview shows how the CIELCh color 64, 45.811, 327.950 looks on a white background.

Color Contrast Check

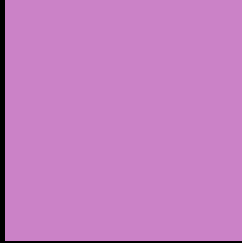
Large Text (above 18pt) WCAG AA × Fail

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, 45.811, 327.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

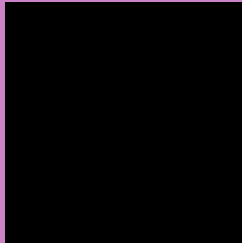
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 45.811, 327.950

Background



This preview shows how black text looks on a background with the CIELCh color 64, 45.811, 327.950.



This preview shows how white text looks on a background with the CIELCh color 64, 45.811, 327.950.

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



Original Color
64, 45.811, 327.950

Protanopia
64, 35.308, 285.258

Deuteranopia
64, 23.998, 291.081



Tritanopia
64, 23.447, 6.949

Trichromacy



Original Color
64, 45.811, 327.950



Protanomaly
64, 36.794, 301.605



Deuteranomaly
64, 30.478, 309.692



Tritanomaly
64, 29.713, 346.161

Monochromacy



Original Color
64, 45.811, 327.950



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 17.237, 327.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 45.811, 327.950 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(203, 130, 199)` looks like.

```
.text, #text, p{  
    color:rgb(203, 130, 199)  
}
```

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(203, 130, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 130, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 45.811, 327.950 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(203, 130, 199) }
```

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

```
.border{ border-color:rgb(203, 130, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 130, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 130, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 130, 199);  
box-shadow:4px 4px 4px 4px rgb(203, 130,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 45.811, 327.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 130, 199) }
```

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

```
.background{ background-color: rgb(203,  
130, 199) }
```

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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