

Converting Colors

CIELCh(64, 30.897, 352.270)

Have a look what the booklet for
CIELCh(64, 30.897, 352.270)
contains.

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Color

CIELCh(64, 30.643, 352.631)

Conversions

Conversions Part 1

Format	Color
Hex	CC87A3
RGB	204, 135, 163
RGB Percent	80%, 53%, 64%
CMY	0.2001, 0.4706, 0.3609
CMYK	0.00, 0.34, 0.20, 0.20
HSL	336°, 40%, 66%
HSV	336°, 34%, 80%
XYZ	40.1678, 32.8017, 38.8563
YIQ	158.8230, 32.1360, 23.3360

Conversions

Conversions Part 2

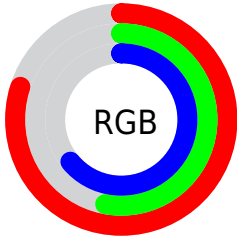
Format	Color
R_{YB}	204, 135, 163
Decimal	13404067
CIE _{Lab}	64.00, 30.39, -3.93
CIE _{LCh}	64, 30.643, 352.631
Yxy	32.8017, 0.3592, 0.2933
Android (android.graphics.Color)	4291594147 (0xFFCC87A3)
YUV	158.8230, 2.0593, 39.6202
Hunter-Lab	57.2727, 24.9622, -0.1340

Details

The CIELCh color $64, 30.643, 352.631$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $77, 28.713, 165.710$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 28.469, 349.583$, and $44, 30.424, 352.780$ is the 20% darker color. If you saturate the color by 10%, you get $59, 39.735, 354.090$, and if you desaturate by 10%, it is $69, 21.410, 351.391$.

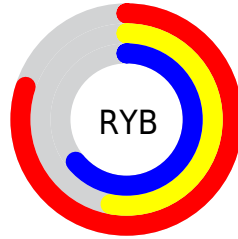
Distribution



Red (80%)

Green (53%)

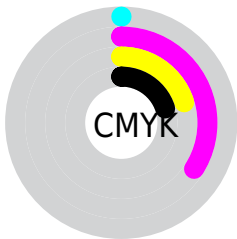
Blue (64%)



Red (80%)

Yellow (53%)

Blue (64%)

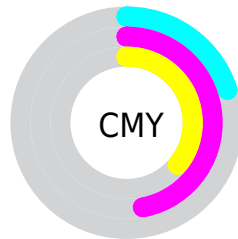


Cyan (0%)

Magenta (34%)

Yellow (20%)

Black (20%)



Cyan (20%)


Magenta (47%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 30.643, 352.631 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, 30.643, 352.631 by changing the saturation by 10% instead.


 64, 30.643,
352.631


 64, 30.643,
352.631


 100, 30.643,
352.631


 54, 30.643,
352.631


 84, 30.643,
352.631

 44, 30.643,
352.631

 94, 30.643,
352.631

 34, 30.643,
352.631

 24, 30.643,
352.631

 14, 30.643,
352.631

 4, 30.643, 352.631

 0, 30.643, 352.631

64, 30.643,
352.631

64, 30.643,
352.631

59, 39.735,
354.090

69, 21.410,
351.391

55, 48.372,
355.842

74, 12.266,
350.305

51, 56.132,
358.001

80, 3.343, 349.264

48, 62.558, 0.715

85, 5.286, 168.638

45, 67.297, 4.159

91, 13.589,
167.825

44, 70.291, 8.492

96, 20.243,
168.900

43, 71.656, 11.497

96, 17.581,
186.224

97, 16.877,
198.386

Harmonies

Complementary

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



64, 30.643, 352.631



77, 28.713, 165.710

Rectangle

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



64, 30.643, 352.631



64, 30.643, 42.631



64, 30.643, 172.631



64, 30.643, 222.631

Sweetspot

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



64, 30.640, 352.633



93, 10.577, 349.929



62, 41.130, 313.444



49, 7.232, 350.073



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, 30.640, 352.633



74, 44.583, 353.733



65, 26.592, 28.741



40, 5.000, 349.855



35, 61.329, 10.647



4, 19.129, 359.202

Inverse Universe

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



64, 30.640, 352.633



74, 44.583, 353.733



76, 20.852, 206.524



40, 5.000, 349.855



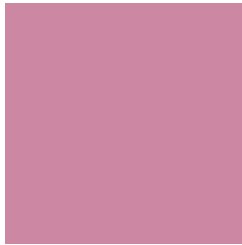
35, 61.329, 10.647



4, 19.129, 359.202

Previews

White Background



This preview shows how the CIELCh color 64, 30.643, 352.631 looks on a white background.

Color Contrast Check

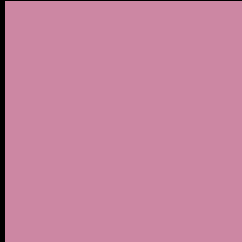
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 30.643, 352.631 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, 30.643, 352.631

Background



This preview shows how black text looks on a background with the CIELCh color 64, 30.643, 352.631.

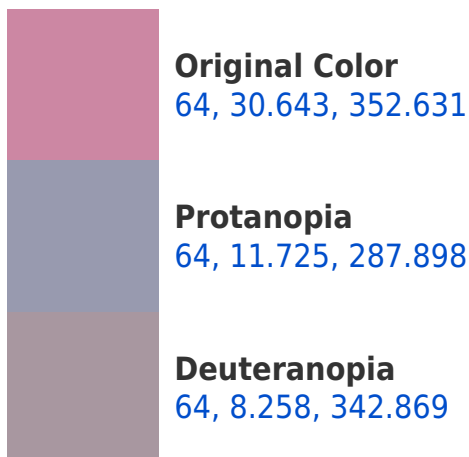


This preview shows how white text looks on a background with the CIELCh color 64, 30.643, 352.631.

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, 26.218, 10.147

Trichromacy



Original Color
64, 30.643, 352.631

Protanomaly
64, 16.192, 325.185

Deuteranomaly
64, 16.508, 348.566

Tritanomaly
64, 27.503, 3.792

Monochromacy



Original Color
64, 30.643, 352.631

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 11.157, 350.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 30.643, 352.631 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(204, 135, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 135, 163)  
}
```

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(204, 135, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 135, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 30.643, 352.631 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(204, 135, 163) }
```

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

```
.border{ border-color:rgb(204, 135, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 135, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 135, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 135, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 135,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 30.643, 352.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 135, 163) }
```

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

```
.background{ background-color: rgb(204,  
135, 163) }
```

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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