

Converting Colors

CIELCh(60, 31.557, 330.200)

Have a look what the booklet for
CIELCh(60, 31.557, 330.200)
contains.

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Color

CIELCh(60, 31.742, 330.059)

Conversions

Conversions Part 1

Format	Color
Hex	B480AD
RGB	180, 128, 173
RGB Percent	71%, 50%, 68%
CMY	0.2945, 0.4983, 0.3219
CMYK	0.00, 0.29, 0.04, 0.29
HSL	308°, 26%, 60%
HSV	308°, 29%, 71%
XYZ	34.0448, 28.1233, 43.1254
YIQ	148.6780, 16.5470, 25.0190

Conversions

Conversions Part 2

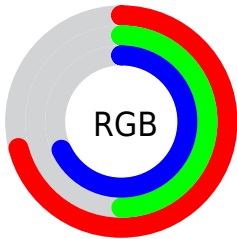
Format	Color
RYB	180, 128, 173
Decimal	11829421
CIELab	60.00, 27.51, -15.84
CIELCh	60, 31.742, 330.059
Yxy	28.1233, 0.3233, 0.2671
Android (android.graphics.Color)	4290019501 (0xFFB480AD)
YUV	148.6780, 11.9907, 27.4694
Hunter-Lab	53.0314, 21.7873, -11.0929

Details

The CIELCh color $60, 31.742, 330.059$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $69, 31.677, 146.274$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 31.696, 330.103$, and $40, 31.781, 329.537$ is the 20% darker color. If you saturate the color by 10%, you get $56, 42.443, 330.672$, and if you desaturate by 10%, it is $64, 20.756, 329.449$.

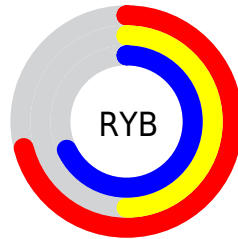
Distribution



Red (71%)

Green (50%)

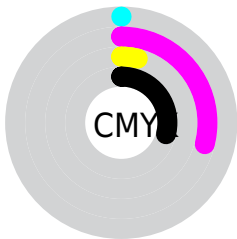
Blue (68%)



Red (71%)

Yellow (50%)

Blue (68%)

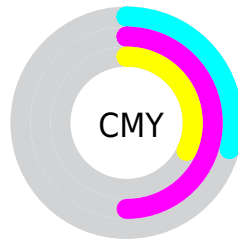


Cyan (0%)

Magenta (29%)

Yellow (4%)

Black (29%)



Cyan (29%)


Magenta (50%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 31.742, 330.059 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 60, 31.742, 330.059 by changing the saturation by 10% instead.


 60, 31.742,
330.059


 60, 31.742,
330.059


 100, 31.742,
330.059


 50, 31.742,
330.059


 80, 31.742,
330.059

 40, 31.742,
330.059

 90, 31.742,
330.059


 30, 31.742,
330.059

 20, 31.742,
330.059

 10, 31.742,
330.059

 0, 31.742, 330.059

 60, 31.742,

 60, 31.742,

330.059

330.059

56, 42.443,
330.672

64, 20.756,
329.449

52, 52.540,
331.283

69, 9.727, 328.838

49, 61.621,
331.888

74, 1.186, 148.513

79, 11.882,
147.749

46, 69.223,
332.487

84, 22.303,
147.201

44, 74.913,
333.087

89, 32.421,
146.685


42, 78.411,
333.702

94, 42.228,
146.197

41, 79.930,
334.348

94, 41.915,
147.116

41, 80.065,
334.419

 94, 40.939,
148.173

Harmonies

Complementary

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



60, 31.742, 330.059



69, 31.677, 146.274

Rectangle

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



60, 31.742, 330.059



60, 31.742, 20.059



60, 31.742, 150.059



60, 31.742, 200.059

Sweetspot

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



60, 31.740, 330.059



88, 12.209, 328.854



56, 29.979, 298.094



46, 8.484, 328.943



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



60, 31.740, 330.059



73, 47.528, 330.470



59, 23.101, 354.511



35, 6.153, 328.864



35, 71.139, 334.330



2, 14.182, 330.383

Inverse Universe

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



60, 31.740, 330.059



73, 47.528, 330.470



69, 21.648, 168.717



35, 6.153, 328.864



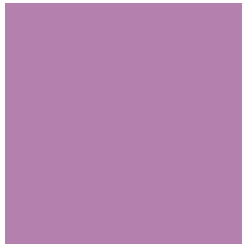
35, 71.139, 334.330



2, 14.182, 330.383

Previews

White Background



This preview shows how the CIELCh color 60, 31.742, 330.059 looks on a white background.

Color Contrast Check

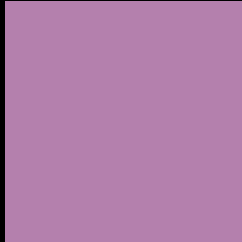
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 60, 31.742, 330.059 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 60, 31.742, 330.059

Background



This preview shows how black text looks on a background with the CIELCh color 60, 31.742, 330.059.



This preview shows how white text looks on a background with the CIELCh color 60, 31.742, 330.059.

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
60, 18.204, 1.650

Trichromacy



Original Color
60, 31.742, 330.059

Protanomaly
60, 24.305, 303.633

Deuteranomaly
60, 21.620, 315.213

Tritanomaly
60, 22.316, 344.764

Monochromacy



Original Color
60, 31.742, 330.059

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 12.062, 328.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 31.742, 330.059 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(180, 128, 173)` looks like.

```
.text, #text, p{  
    color:rgb(180, 128, 173)  
}
```

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(180, 128, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 128, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 31.742, 330.059 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(180, 128, 173) }
```

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

```
.border{ border-color:rgb(180, 128, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 128, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 128, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 128, 173);  
box-shadow:4px 4px 4px 4px rgb(180, 128,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 31.742, 330.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 128, 173) }
```

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

```
.background{ background-color: rgb(180,  
128, 173) }
```

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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