

Converting Colors

CIELCh(60, 20.603, 333.198)

Have a look what the booklet for
CIELCh(60, 20.603, 333.198)
contains.

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Color

CIELCh(60, 20.499, 333.718)

Conversions

Conversions Part 1

Format	Color
Hex	AA86A1
RGB	170, 134, 161
RGB Percent	67%, 53%, 63%
CMY	0.3338, 0.4749, 0.3691
CMYK	0.00, 0.21, 0.05, 0.33
HSL	315°, 17%, 60%
HSV	315°, 21%, 67%
XYZ	31.4868, 28.1233, 37.4360
YIQ	147.8420, 12.7890, 16.0290

Conversions

Conversions Part 2

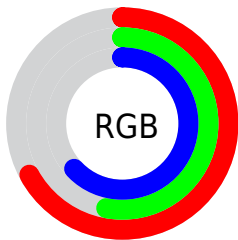
Format	Color
RYB	170, 134, 161
Decimal	11175585
CIELab	60.00, 18.38, -9.08
CIELCh	60, 20.499, 333.718
Yxy	28.1233, 0.3245, 0.2898
Android (android.graphics.Color)	4289365665 (0xFFAA86A1)
YUV	147.8420, 6.4869, 19.4326
Hunter-Lab	53.0314, 13.1774, -4.7320

Details

The CIELCh color $60, 20.499, 333.718$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $66, 20.375, 150.823$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 20.936, 333.718$, and $40, 20.231, 333.850$ is the 20% darker color. If you saturate the color by 10%, you get $56, 30.169, 334.432$, and if you desaturate by 10%, it is $64, 10.770, 333.031$.

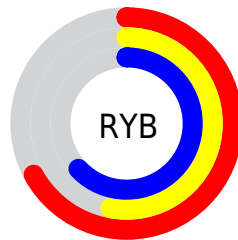
Distribution



Red (67%)

Green (53%)

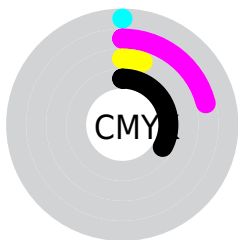
Blue (63%)



Red (67%)

Yellow (53%)

Blue (63%)

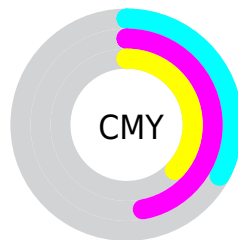


Cyan (0%)

Magenta (21%)

Yellow (5%)

Black (33%)



Cyan (33%)


Magenta (47%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 20.499, 333.718 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, 20.499, 333.718 by changing the saturation by 10% instead.


 60, 20.499,
333.718


 60, 20.499,
333.718


 100, 20.499,
333.718


 50, 20.499,
333.718


 80, 20.499,
333.718

 40, 20.499,
333.718

 90, 20.499,
333.718

 30, 20.499,
333.718

 20, 20.499,
333.718

 10, 20.499,
333.718

 0, 20.499, 333.718

 60, 20.499,

 60, 20.499,

333.718

56, 30.169,
334.432

52, 39.562,
335.182

48, 48.364,
335.975

45, 56.183,
336.828

42, 62.577,
337.763

40, 67.140,
338.818

39, 69.627,
340.041

38, 70.486,
341.257

333.718

64, 10.770,
333.031

69, 1.138, 332.164

74, 8.304, 151.840


78, 17.504,
151.243

83, 26.437,
150.689

88, 35.094,
150.169

93, 43.481,
149.678

93, 43.087,
151.227

 94, 41.454,
153.203

Harmonies

Complementary

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



60, 20.499, 333.718



66, 20.375, 150.823

Rectangle

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



60, 20.499, 333.718



60, 20.499, 23.718



60, 20.499, 153.718



60, 20.499, 203.718

Sweetspot

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



60, 20.497, 333.719



85, 7.152, 332.679



58, 20.839, 301.379



45, 4.784, 332.724



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



60, 20.497, 333.719



74, 30.072, 334.019



59, 15.206, 1.660



33, 5.400, 332.901



33, 63.784, 341.070



2, 9.309, 335.079

Inverse Universe

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



60, 20.497, 333.719



74, 30.072, 334.019



67, 14.150, 177.576



33, 5.400, 332.901



33, 63.784, 341.070



2, 9.309, 335.079

Previews

White Background



This preview shows how the CIELCh color 60, 20.499, 333.718 looks on a white background.

Color Contrast Check

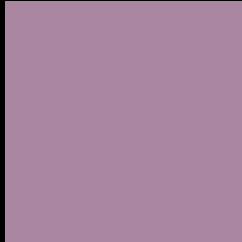
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 60, 20.499, 333.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

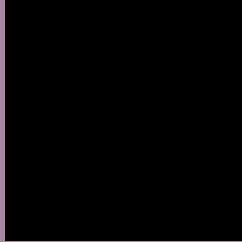
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 20.499, 333.718

Background



This preview shows how black text looks on a background with the CIELCh color 60, 20.499, 333.718.



This preview shows how white text looks on a background with the CIELCh color 60, 20.499, 333.718.

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

60, 20.499, 333.718

Protanopia

60, 13.012, 286.852

Deuteranopia

60, 11.563, 312.263



Tritanopia
60, 14.055, 354.841

Trichromacy



Original Color
60, 20.499, 333.718

Protanomaly
60, 14.890, 309.058

Deuteranomaly
60, 14.818, 323.906

Tritanomaly
60, 16.343, 345.375

Monochromacy



Original Color
60, 20.499, 333.718

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 7.572, 332.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 20.499, 333.718 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(170, 134, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 134, 161)  
}
```

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(170, 134, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 134, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 20.499, 333.718 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(170, 134, 161) }
```

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

```
.border{ border-color:rgb(170, 134, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 134, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 134, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 134, 161);  
box-shadow:4px 4px 4px 4px rgb(170, 134,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 20.499, 333.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 134, 161) }
```

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

```
.background{ background-color: rgb(170,  
134, 161) }
```

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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