

# Converting Colors

CIELCh(60, 32.994, 326.558)

Have a look what the booklet for  
CIELCh(60, 32.994, 326.558)  
contains.

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# Color

**CIELCh(60, 33.075, 326.498)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B280B1
RGB	178, 128, 177
RGB Percent	70%, 50%, 69%
CMY	0.3015, 0.4976, 0.3054
CMYK	0.00, 0.28, 0.01, 0.30
HSL	301°, 25%, 60%
HSV	301°, 28%, 70%
XYZ	34.0662, 28.1233, 45.2865
YIQ	148.5360, 14.0710, 25.8390

# Conversions

## Conversions Part 2

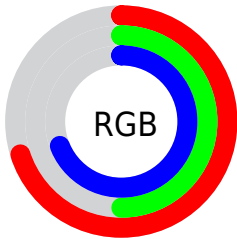
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 128, 177
Decimal	11698353
CIELab	60.00, 27.58, -18.26
CIELCh	60, 33.075, 326.498
Yxy	28.1233, 0.3170, 0.2617
Android (android.graphics.Color)	4289888433 (0xFFB280B1)
YUV	148.5360, 14.0328, 25.8399
Hunter-Lab	53.0314, 21.8594, -13.5090

# Details

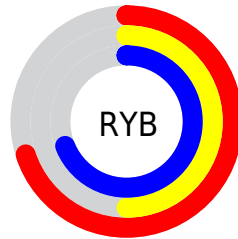
The CIELCh color `60, 33.075, 326.498` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `68, 33.067, 143.066`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `80, 33.361, 326.194`, and `40, 32.970, 326.975` is the 20% darker color. If you saturate the color by 10%, you get `56, 44.558, 327.022`, and if you desaturate by 10%, it is `64, 21.295, 325.954`.

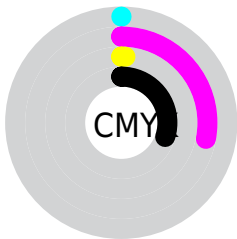
# Distribution



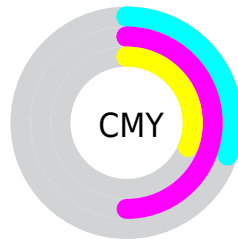
- Red (70%)
- Green (50%)
- Blue (69%)



- Red (70%)
- Yellow (50%)
- Blue (69%)



- Cyan (0%)
- Magenta (28%)
- Yellow (1%)
- Black (30%)




- Cyan (30%)
- Magenta (50%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 33.075, 326.498 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, 33.075, 326.498 by changing the saturation by 10% instead.




 60, 33.075,  
326.498


 60, 33.075,  
326.498

 100, 33.075,  
326.498

 50, 33.075,  
326.498

 80, 33.075,  
326.498

 40, 33.075,  
326.498

 90, 33.075,  
326.498


 30, 33.075,  
326.498

 20, 33.075,  
326.498

 10, 33.075,  
326.498

 0, 33.075, 326.498

 60, 33.075,

 60, 33.075,

326.498

56, 44.558,  
327.022

52, 55.420,  
327.511

49, 65.249,  
327.951

46, 73.591,  
328.328

44, 80.031,  
328.631

43, 84.305,  
328.856

42, 86.558,  
329.014

42, 86.917,  
329.041

326.498

64, 21.295,  
325.954

69, 9.471, 325.393

74, 2.230, 144.983

78, 13.700,  
144.363

83, 24.873,  
143.843

88, 35.717,  
143.350

93, 46.219,  
142.884

94, 47.367,  
142.937

■ 94, 47.218,  
143.061

# Harmonies

# Complementary

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



60, 33.075, 326.498



68, 33.067, 143.066

# Rectangle

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



60, 33.075, 326.498



60, 33.075, 16.498



60, 33.075, 146.498



60, 33.075, 196.498

# Sweetspot

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



60, 33.073, 326.498



87, 11.636, 325.396



55, 28.737, 294.081



46, 8.344, 325.482



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, 33.073, 326.498



73, 49.493, 326.842



59, 23.692, 347.150



35, 6.660, 325.464



36, 77.717, 329.031



3, 15.925, 325.268



# Inverse Universe

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



60, 33.073, 326.498



73, 49.493, 326.842



69, 22.825, 161.992



35, 6.660, 325.464



36, 77.717, 329.031

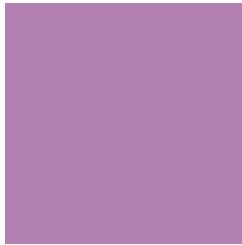


3, 15.925, 325.268



# Previews

## White Background



This preview shows how the CIELCh color 60, 33.075, 326.498 looks on a white background.

## Color Contrast Check

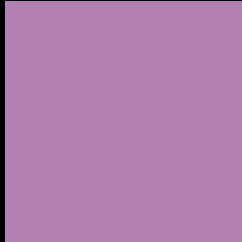
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.075, 326.498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

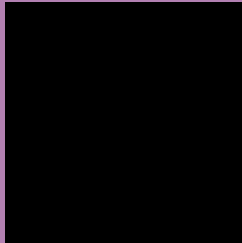
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 60, 33.075, 326.498

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 33.075, 326.498.

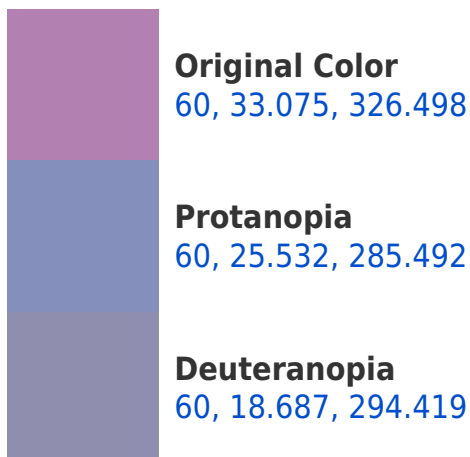


This preview shows how white text looks on a background with the CIELCh color 60, 33.075, 326.498.

# 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, 17.043, 0.081

# Trichromacy



**Original Color**  
60, 33.075, 326.498

**Protanomaly**  
60, 26.405, 301.327

**Deuteranomaly**  
60, 23.208, 309.665

**Tritanomaly**  
60, 21.713, 341.491

# Monochromacy



**Original Color**  
60, 33.075, 326.498

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
61, 12.508, 326.518

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 33.075, 326.498 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(178, 128, 177)` looks like.

```
.text, #text, p{  
    color:rgb(178, 128, 177)  
}
```

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(178, 128, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 128, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 33.075, 326.498 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(178, 128, 177) }
```

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

```
.border{ border-color:rgb(178, 128, 177) }
```

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

Here you see how a box with a 4 pixel rgb(178, 128, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 128, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 128, 177);  
box-shadow:4px 4px 4px 4px rgb(178, 128,  
177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 33.075, 326.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 128, 177) }
```

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

```
.background{ background-color: rgb(178,  
128, 177) }
```

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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