

# Converting Colors

CIELCh(66, 19.054, 356.311)

Have a look what the booklet for  
CIELCh(66, 19.054, 356.311)  
contains.

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# Color

**CIELCh(66, 19.297, 356.069)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C194A3
RGB	193, 148, 163
RGB Percent	76%, 58%, 64%
CMY	0.2418, 0.4183, 0.3595
CMYK	0.00, 0.23, 0.16, 0.24
HSL	340°, 27%, 67%
HSV	340°, 23%, 76%
XYZ	39.3646, 35.3238, 39.5514
YIQ	163.1650, 22.0050, 14.2050

# Conversions

## Conversions Part 2

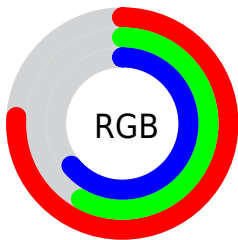
Format	Color
R <sub>YB</sub>	193, 148, 163
Decimal	12686499
CIE Lab	66.00, 19.25, -1.32
CIE LCh	66, 19.297, 356.069
Yxy	35.3238, 0.3446, 0.3092
Android (android.graphics.Color)	4290876579 (0xFFC194A3)
YUV	163.1650, -0.0813, 26.1653
Hunter-Lab	59.4338, 14.2161, 2.1480

# Details

The CIELCh color  $66, 19.297, 356.069$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $75, 18.179, 171.488$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 19.491, 355.616$ , and  $46, 19.289, 356.852$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 27.924, 357.391$ , and if you desaturate by 10%, it is  $71, 10.827, 354.931$ .

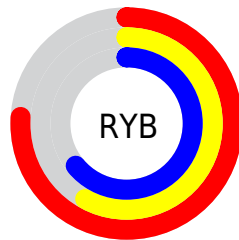
# Distribution



Red (76%)

Green (58%)

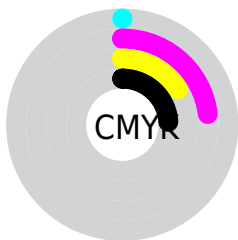
Blue (64%)



Red (76%)

Yellow (58%)

Blue (64%)

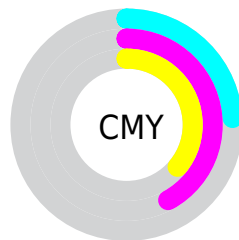


Cyan (0%)

Magenta (23%)

Yellow (16%)

Black (24%)



Cyan (24%)

Magenta (42%)


Yellow (36%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 19.297, 356.069 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 66, 19.297, 356.069 by changing the saturation by 10% instead.





 66, 19.297,  
356.069


 66, 19.297,  
356.069


 100, 19.297,  
356.069


 56, 19.297,  
356.069


 86, 19.297,  
356.069

 46, 19.297,  
356.069

 96, 19.297,  
356.069

 36, 19.297,  
356.069

 26, 19.297,  
356.069

 16, 19.297,  
356.069

 6, 19.297, 356.069

 0, 19.297, 356.069

66, 19.297,  
356.069

66, 19.297,  
356.069

61, 27.924,  
357.391

71, 10.827,  
354.931

56, 36.531,  
358.960

76, 2.627, 353.823

82, 5.251, 173.219

52, 44.840, 0.869

87, 12.792,  
172.396

48, 52.488, 3.243

45, 59.075, 6.241

93, 19.998,  
171.687

43, 64.289, 10.036

96, 22.086,  
178.546

41, 68.090, 14.752

41, 70.242, 18.250

96, 20.196,  
196.092

96, 20.107,  
198.181



# Harmonies

# Complementary

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



66, 19.297, 356.069



75, 18.179, 171.488

# Rectangle

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



66, 19.297, 356.069



66, 19.297, 46.069



66, 19.297, 176.069



66, 19.297, 226.069

# Sweetspot

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



66, 19.295, 356.072



94, 7.006, 354.276



65, 27.310, 315.652



50, 4.595, 354.342



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



66, 19.295, 356.072



81, 29.019, 356.728



67, 15.734, 35.760



38, 4.597, 354.516



34, 61.021, 17.398



3, 14.752, 1.783



# Inverse Universe

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



66, 19.295, 356.072



81, 29.019, 356.728



73, 13.434, 216.227



38, 4.597, 354.516



34, 61.021, 17.398



3, 14.752, 1.783



# Previews

## White Background



This preview shows how the CIELCh color 66, 19.297, 356.069 looks on a white background.

## Color Contrast Check

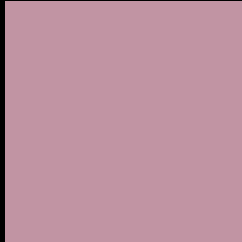
Large Text (above 18pt) WCAG AA × Fail

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 66, 19.297, 356.069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

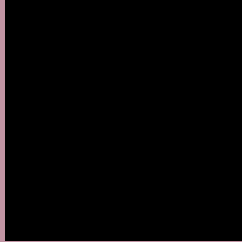
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 66, 19.297, 356.069**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 19.297, 356.069.



This preview shows how white text looks on a background with the CIELCh color 66, 19.297, 356.069.

# 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**  
66, 19.297, 356.069

**Protanopia**  
66, 5.563, 294.595

**Deuteranopia**  
66, 8.050, 355.846





**Tritanopia**  
66, 18.221, 1.885

# Trichromacy



**Original Color**  
66, 19.297, 356.069

**Protanomaly**  
66, 9.296, 334.675

**Deuteranomaly**  
66, 12.283, 356.774

**Tritanomaly**  
66, 18.373, 0.241

# Monochromacy



**Original Color**  
66, 19.297, 356.069

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 7.332, 353.237

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 19.297, 356.069 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(193, 148, 163)` looks like.

```
.text, #text, p{  
    color:rgb(193, 148, 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(193, 148, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 148, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 19.297, 356.069 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(193, 148, 163) }
```

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

```
.border{ border-color:rgb(193, 148, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 148, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 148, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 148, 163);  
box-shadow:4px 4px 4px 4px rgb(193, 148,  
163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 19.297, 356.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 148, 163) }
```

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

```
.background{ background-color: rgb(193,  
148, 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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