

# Converting Colors

CIELCh(66, 6.162, 266.799)

Have a look what the booklet for  
CIELCh(66, 6.162, 266.799) contains.

<b>CIELCh(66, 6.061, 265.688)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(66, 6.061, 265.688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AA1AB
RGB	154, 161, 171
RGB Percent	60%, 63%, 67%
CMY	0.3959, 0.3684, 0.3292
CMYK	0.10, 0.06, 0.00, 0.33
HSL	215°, 9%, 64%
HSV	215°, 10%, 67%
XYZ	33.4445, 35.3238, 43.6081
YIQ	160.0470, -7.3820, 1.6260

# Conversions

## Conversions Part 2

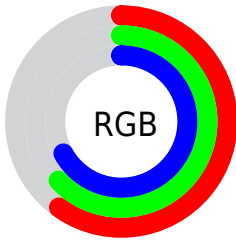
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 159, 171
Decimal	10133931
CIELab	66.00, -0.46, -6.04
CIELCh	66, 6.061, 265.688
Yxy	35.3238, 0.2976, 0.3143
Android (android.graphics.Color)	4288324011 (0xFF9AA1AB)
YUV	160.0470, 5.3998, -5.3032
Hunter-Lab	59.4338, -3.5639, -1.8989

# Details

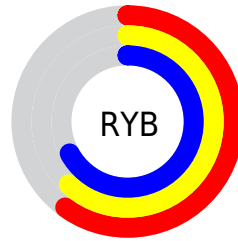
The CIELCh color  $66, 6.061, 265.688$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $68, 6.121, 83.038$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 5.902, 262.299$ , and  $46, 5.941, 263.667$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 12.181, 267.196$ , and if you desaturate by 10%, it is  $70, 0.030, 75.517$ .

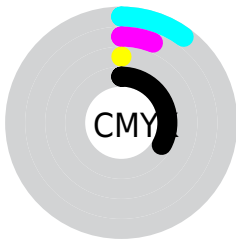
# Distribution



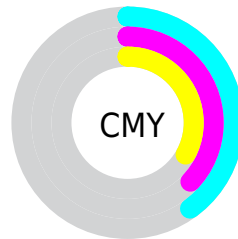
- Red (60%)
- Green (63%)
- Blue (67%)



- Red (60%)
- Yellow (62%)
- Blue (67%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (37%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 6.061, 265.688 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, 6.061, 265.688 by changing the saturation by 10% instead.



■ 66, 6.061, 265.688

■ 66, 6.061, 265.688

■ 100, 6.061,  
265.688

■ 56, 6.061, 265.688

■ 86, 6.061, 265.688

■ 46, 6.061, 265.688

■ 96, 6.061, 265.688

■ 36, 6.061, 265.688

■ 26, 6.061, 265.688

■ 16, 6.061, 265.688

■ 6, 6.061, 265.688

■ 0, 6.061, 265.688

■ 66, 6.061, 265.688

■ 66, 6.061, 265.688

■ 62, 12.181,

■ 70, 0.030, 75.517

267.196

74, 6.080, 83.127

58, 18.324,  
268.997

78, 12.081, 82.162

54, 24.485,  
271.115

82, 18.024, 81.308

50, 30.671,  
273.598

86, 23.903, 80.555

46, 36.898,  
276.482

90, 29.385, 81.034

43, 43.202,  
279.779

92, 32.371, 90.966

39, 49.631,  
283.453

95, 36.151, 98.919

36, 56.223,  
287.395

33, 62.990,  
291.300



# Harmonies

# Complementary

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



66, 6.061, 265.688



68, 6.121, 83.038

# Rectangle

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



66, 6.061, 265.688



66, 6.061, 315.688



66, 6.061, 85.688



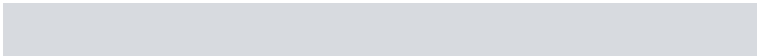
66, 6.061, 135.688

# Sweetspot

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



66, 6.060, 265.675



87, 2.262, 264.842



69, 7.507, 167.583



46, 1.727, 264.916



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



66, 6.060, 265.675



82, 9.044, 265.996



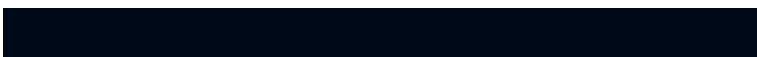
64, 9.507, 294.328



35, 3.490, 265.589



29, 56.725, 290.874



2, 7.945, 270.917



# Inverse Universe

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



65, 7.624, 349.521



81, 11.412, 349.747



69, 9.295, 112.638



34, 4.387, 349.459



32, 57.042, 9.608

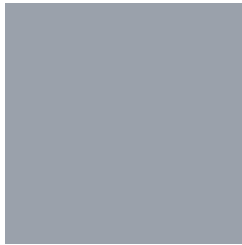


2, 8.729, 353.512



# Previews

## White Background



This preview shows how the CIELCh color 66, 6.061, 265.688 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 66, 6.061, 265.688 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

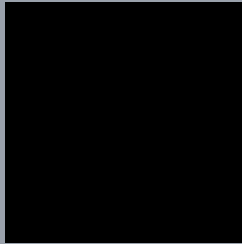
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

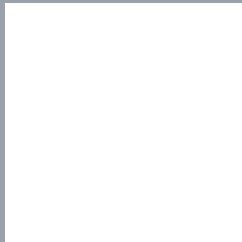
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 66, 6.061, 265.688

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 6.061, 265.688.



This preview shows how white text looks on a background with the CIELCh color 66, 6.061, 265.688.

# 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, 6.061, 265.688

### Protanopia

66, 6.122, 294.299

### Deuteranopia

66, 10.357, 321.418





**Tritanopia**  
66, 7.074, 269.700

# Trichromacy



**Original Color**  
66, 6.061, 265.688

**Protanomaly**  
66, 5.582, 283.149

**Deuteranomaly**  
66, 8.114, 306.911

**Tritanomaly**  
66, 6.564, 267.844

# Monochromacy



**Original Color**  
66, 6.061, 265.688

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
66, 2.335, 271.661

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 6.061, 265.688 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(154, 161, 171)` looks like.

```
.text, #text, p{  
    color:rgb(154, 161, 171)  
}
```

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(154, 161, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 161, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 6.061, 265.688 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(154, 161, 171) }
```

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

```
.border{ border-color:rgb(154, 161, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 161, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 161, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 161, 171);  
box-shadow:4px 4px 4px 4px rgb(154, 161,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 6.061, 265.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 161, 171) }
```

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

```
.background{ background-color: rgb(154,  
161, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor