

# Converting Colors

CIELCh(72, 6.604, 258.606)

Have a look what the booklet for  
CIELCh(72, 6.604, 258.606) contains.

<b>CIELCh(72, 6.461, 256.857)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(72, 6.461, 256.857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8B2BC
RGB	168, 178, 188
RGB Percent	66%, 70%, 74%
CMY	0.3421, 0.3029, 0.2637
CMYK	0.11, 0.05, 0.00, 0.26
HSL	210°, 13%, 70%
HSV	210°, 11%, 74%
XYZ	41.0163, 43.6590, 53.6998
YIQ	176.1500, -9.1700, 0.9900

# Conversions

## Conversions Part 2

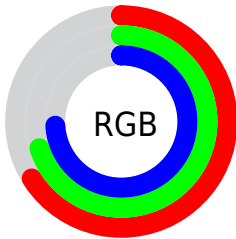
Format	Color
R <sub>Y</sub> B	168, 175, 188
Decimal	11055804
CIE Lab	72.00, -1.47, -6.29
CIE LCh	72, 6.461, 256.857
Yxy	43.6590, 0.2964, 0.3155
Android (android.graphics.Color)	4289245884 (0xFFA8B2BC)
YUV	176.1500, 5.8421, -7.1475
Hunter-Lab	66.0750, -4.8267, -1.9331

# Details

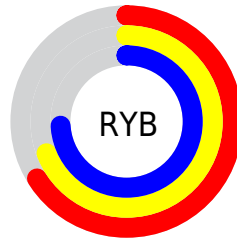
The CIELCh color  $72, 6.461, 256.857$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $73, 6.625, 74.065$ , and the grayscale version is  $72, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 6.351, 253.961$ , and  $52, 6.664, 260.113$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 12.458, 258.365$ , and if you desaturate by 10%, it is  $76, 0.402, 256.351$ .

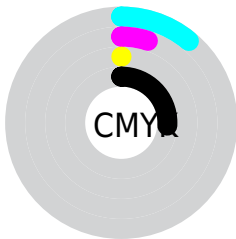
# Distribution



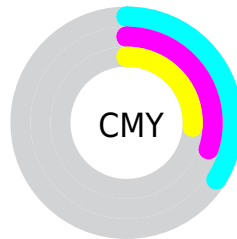
- Red (66%)
- Green (70%)
- Blue (74%)



- Red (66%)
- Yellow (69%)
- Blue (74%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)



- Cyan (34%)
- Magenta (30%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 6.461, 256.857 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 72, 6.461, 256.857 by changing the saturation by 10% instead.



■ 72, 6.461, 256.857

■ 72, 6.461, 256.857

■ 100, 6.461,  
256.857

■ 62, 6.461, 256.857

■ 92, 6.461, 256.857

■ 52, 6.461, 256.857

■ 42, 6.461, 256.857

■ 32, 6.461, 256.857

■ 22, 6.461, 256.857

■ 12, 6.461, 256.857

■ 2, 6.461, 256.857

■ 0, 6.461, 256.857

■ 72, 6.461, 256.857

■ 72, 6.461, 256.857

68, 12.458,  
258.365

76, 0.402, 256.351

64, 18.371,  
260.196

80, 5.693, 74.302

61, 24.179,  
262.378

84, 11.803, 73.379

57, 29.872,  
264.972

91, 22.486, 77.106

53, 35.456,  
268.027

93, 25.109, 89.468

50, 40.965,  
271.572

96, 28.659, 99.023

46, 46.463,  
275.585

98, 32.807,  
106.213

43, 52.040,  
279.966

99, 33.824,  
107.602

41, 57.422,



# Harmonies

# Complementary

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



72, 6.461, 256.857



73, 6.625, 74.065

# Rectangle

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



72, 6.461, 256.857



72, 6.461, 306.857



72, 6.461, 76.857



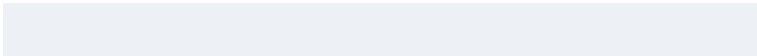
72, 6.461, 126.857

# Sweetspot

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



72, 6.460, 256.843



95, 2.270, 255.962



74, 9.318, 161.929



50, 1.718, 256.025



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



72, 6.460, 256.843



90, 9.769, 257.205



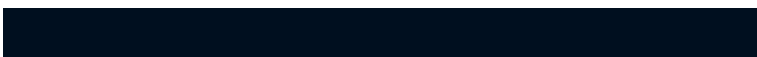
69, 10.795, 290.626



38, 3.454, 256.668



34, 49.917, 283.471



4, 11.551, 268.423



# Inverse Universe

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



71, 9.336, 344.489



88, 14.178, 344.725



76, 10.542, 108.476



37, 4.981, 344.371



34, 59.349, 1.428

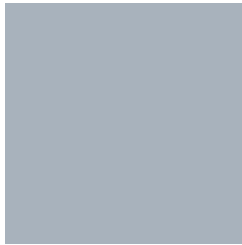


3, 13.950, 351.599



# Previews

## White Background



This preview shows how the CIELCh color 72, 6.461, 256.857 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 72, 6.461, 256.857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

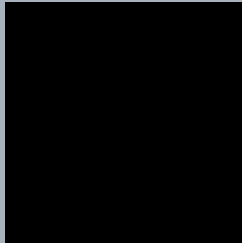
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

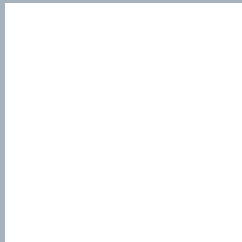
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 72, 6.461, 256.857**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 6.461, 256.857.



This preview shows how white text looks on a background with the CIELCh color 72, 6.461, 256.857.

# 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

72, 6.461, 256.857

### Protanopia

72, 6.054, 297.712

### Deuteranopia

72, 11.692, 323.410





**Tritanopia**  
72, 8.209, 267.866

# Trichromacy



**Original Color**  
72, 6.461, 256.857

**Protanomaly**  
72, 6.025, 283.840

**Deuteranomaly**  
72, 9.244, 309.430

**Tritanomaly**  
72, 7.715, 266.179

# Monochromacy



**Original Color**  
72, 6.461, 256.857

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 2.188, 247.921

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 6.461, 256.857 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(168, 178, 188)` looks like.

```
.text, #text, p{  
    color:rgb(168, 178, 188)  
}
```

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(168, 178, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 178, 188) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 6.461, 256.857 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(168, 178, 188) }
```

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

```
.border{ border-color:rgb(168, 178, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 178, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 178, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 178, 188);  
box-shadow:4px 4px 4px 4px rgb(168, 178,  
188) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 6.461, 256.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 178, 188) }
```

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

```
.background{ background-color: rgb(168,  
178, 188) }
```

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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