

Converting Colors

CIELCh(68, 0.228, 226.670)

Have a look what the booklet for
CIELCh(68, 0.228, 226.670) contains.

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Color

CIELCh(68, 0.377, 200.649)

Conversions

Conversions Part 1

Format	Color
Hex	A5A6A6
RGB	165, 166, 166
RGB Percent	65%, 65%, 65%
CMY	0.3533, 0.3494, 0.3494
CMYK	0.01, 0.00, 0.00, 0.35
HSL	180°, 1%, 65%
HSV	180°, 1%, 65%
XYZ	35.9859, 37.9720, 41.4591
YIQ	165.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

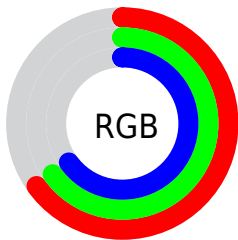
Format	Color
RYB	165, 166, 166
Decimal	10856102
CIELab	68.00, -0.35, -0.13
CIElCh	68, 0.377, 200.649
Yxy	37.9720, 0.3118, 0.3290
Android (android.graphics.Color)	4289046182 (0xFFA5A6A6)
YUV	165.7010, 0.1474, -0.6148
Hunter-Lab	61.6215, -3.5966, 3.2446

Details

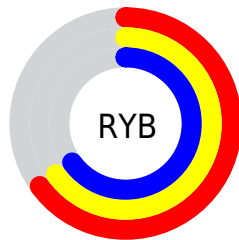
The CIELCh color $68, 0.377, 200.649$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 0.382, 17.954$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 0.357, 201.047$, and $48, 0.403, 200.266$ is the 20% darker color. If you saturate the color by 10%, you get $67, 6.492, 198.672$, and if you desaturate by 10%, it is $69, 5.994, 19.628$.

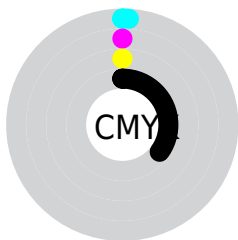
Distribution



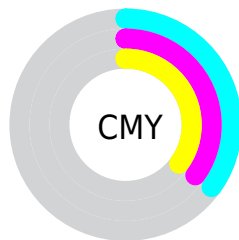
- Red (65%)
- Green (65%)
- Blue (65%)



- Red (65%)
- Yellow (65%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)



- Cyan (35%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 0.377, 200.649 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 68, 0.377, 200.649 by changing the saturation by 10% instead.

■ 68, 0.377, 200.649

■ 68, 0.377, 200.649

100, 0.377,
200.649

■ 58, 0.377, 200.649

■ 88, 0.377, 200.649

■ 48, 0.377, 200.649

■ 98, 0.377, 200.649

■ 38, 0.377, 200.649

■ 28, 0.377, 200.649

■ 18, 0.377, 200.649

■ 8, 0.377, 200.649

■ 0, 0.377, 200.649

■ 68, 0.377, 200.649

■ 68, 0.377, 200.649

■ 67, 6.492, 198.672

■ 69, 5.994, 19.628

66, 12.259,
198.133

71, 12.546, 20.262

65, 17.585,
197.661

72, 19.214, 20.882

64, 22.370,
197.244

74, 25.944, 21.505

63, 26.523,
196.885

77, 35.600, 22.375

63, 29.968,
196.586

77, 35.596, 22.336

62, 32.656,
196.348

77, 35.592, 22.297

62, 34.576,
196.169

77, 35.588, 22.258

62, 35.764,
196.044

Harmonies

Complementary

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



68, 0.377, 200.649



68, 0.382, 17.954

Rectangle

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



68, 0.377, 200.649



68, 0.377, 250.649



68, 0.377, 20.649



68, 0.377, 70.649

Sweetspot

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



68, 0.378, 200.408



87, 0.010, 296.813



68, 0.663, 144.301



46, 0.006, 296.813



94, 0.011, 296.813

Same Dimension

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



68, 0.378, 200.408



86, 0.777, 199.870



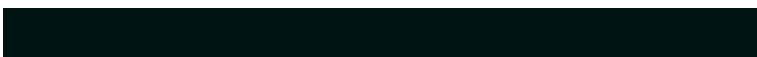
68, 0.335, 254.650



36, 0.358, 199.947



55, 33.453, 195.965



5, 6.572, 199.090

Inverse Universe

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



68, 0.382, 17.954



86, 0.784, 18.488



68, 0.323, 72.497



36, 0.361, 18.412



30, 68.925, 39.249



1, 6.572, 19.204

Previews

White Background



This preview shows how the CIELCh color 68, 0.377, 200.649 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 68, 0.377, 200.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

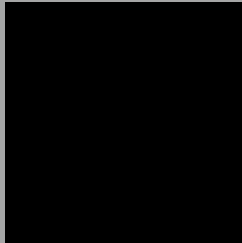
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

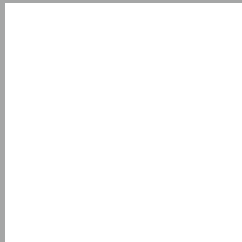
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 0.377, 200.649

Background



This preview shows how black text looks on a background with the CIELCh color 68, 0.377, 200.649.



This preview shows how white text looks on a background with the CIELCh color 68, 0.377, 200.649.

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

68, 0.377, 200.649

Protanopia

68, 1.522, 19.226

Deuteranopia

68, 8.936, 354.739



Tritanopia
68, 7.273, 299.653

Trichromacy



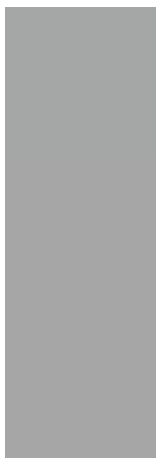
Original Color
68, 0.377, 200.649

Protanomaly
68, 1.140, 19.087

Deuteranomaly
68, 5.689, 350.964

Tritanomaly
68, 4.433, 295.448

Monochromacy



Original Color
68, 0.377, 200.649

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 0.008, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 0.377, 200.649 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(165, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 166)  
}
```

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(165, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 0.377, 200.649 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(165, 166, 166) }
```

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

```
.border{ border-color:rgb(165, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 0.377, 200.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 166) }
```

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

```
.background{ background-color: rgb(165,  
166, 166) }
```

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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