

Converting Colors

CIELCh(68, 5.817, 90.008)

Have a look what the booklet for
CIELCh(68, 5.817, 90.008) contains.

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Color

CIELCh(68, 5.810, 90.014)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | AAA59B |
| RGB | 170, 165, 155 |
| RGB Percent | 67%, 65%, 61% |
| CMY | 0.3322, 0.3518, 0.3910 |
| CMYK | 0.00, 0.03, 0.09, 0.33 |
| HSL | 40°, 8%, 64% |
| HSV | 40°, 9%, 67% |
| XYZ | 36.0909, 37.9720, 36.5662 |
| YIQ | 165.3550, 6.1900, -2.0500 |

Conversions

Conversions Part 2

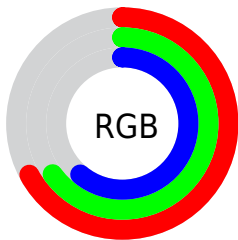
| Format | Color |
|-------------------------------------|--|
| RYB | 163, 170, 155 |
| Decimal | 11183515 |
| CIELab | 68.00, -0.00, 5.81 |
| CIELCh | 68, 5.810, 90.014 |
| Yxy | 37.9720, 0.3262, 0.3432 |
| Android (android.graphics.Color) | 4289373595 (0xFFAAA59B) |
| YUV | 165.3550, -5.1050, 4.0737 |
| Hunter-Lab | 61.6215, -3.2925, 7.9523 |

Details

The CIELCh color **68, 5.810, 90.014** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 5.813, 272.303**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 5.995, 91.843**, and **48, 5.682, 87.725** is the 20% darker color. If you saturate the color by 10%, you get **66, 12.546, 88.792**, and if you desaturate by 10%, it is **70, 0.785, 271.556**.

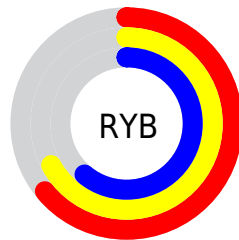
Distribution



Red (67%)

Green (65%)

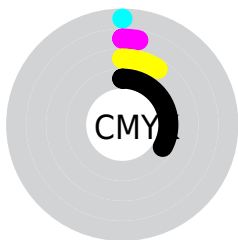
Blue (61%)



Red (64%)

Yellow (67%)

Blue (61%)

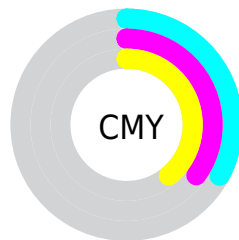


Cyan (0%)

Magenta (3%)

Yellow (9%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 5.810, 90.014 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, 5.810, 90.014 by changing the saturation by 10% instead.

 68, 5.810, 90.014  68, 5.810, 90.014

 100, 5.810, 90.014  58, 5.810, 90.014


 88, 5.810, 90.014  48, 5.810, 90.014

 98, 5.810, 90.014  38, 5.810, 90.014

 28, 5.810, 90.014

 18, 5.810, 90.014

 8, 5.810, 90.014

 0, 5.810, 90.014

 68, 5.810, 90.014  68, 5.810, 90.014

 66, 12.546, 88.792  70, 0.785, 271.556

64, 19.413, 87.497

72, 7.245, 272.482

62, 26.384, 86.161

74, 13.574,
273.586

61, 33.402, 84.785

76, 19.783,
274.648

59, 40.344, 83.360

57, 46.987, 81.858

78, 25.879,
275.660

56, 52.937, 80.221

80, 30.635,
275.729

54, 57.595, 78.329

53, 60.635, 76.104

82, 28.214,
270.021

83, 26.113,
263.390

85, 24.408,
255.793

Harmonies

Complementary

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



68, 5.810, 90.014



66, 5.813, 272.303

Rectangle

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



68, 5.810, 90.014



68, 5.810, 140.014



68, 5.810, 270.014



68, 5.810, 320.014

Sweetspot

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



68, 5.811, 90.032



88, 2.433, 90.667



65, 6.423, 354.441



47, 1.862, 90.592



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 5.811, 90.032



86, 9.022, 89.743



69, 8.260, 116.084



35, 3.699, 89.976



46, 55.009, 76.206



4, 6.216, 84.484

Inverse Universe

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



66, 5.813, 272.303



82, 9.013, 272.627



65, 8.424, 297.360



33, 3.699, 272.365



25, 63.994, 295.956



2, 7.050, 274.677

Previews

White Background



This preview shows how the CIELCh color 68, 5.810, 90.014 looks on a white background.

Color Contrast Check

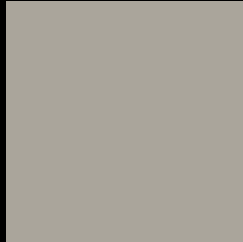
Large Text (above 18pt) WCAG AA × Fail

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 68, 5.810, 90.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

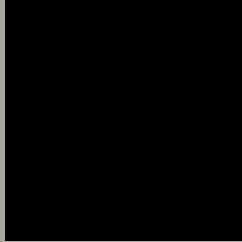
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

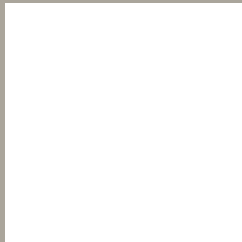
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 5.810, 90.014

Background



This preview shows how black text looks on a background with the CIELCh color 68, 5.810, 90.014.

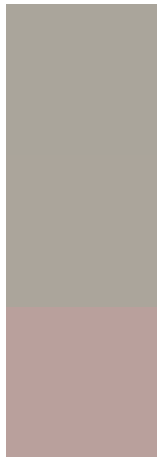


This preview shows how white text looks on a background with the CIELCh color 68, 5.810, 90.014.

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, 5.810, 90.014

Protanopia

68, 5.951, 86.449

Deuteranopia

68, 10.106, 32.704



Tritanopia
68, 8.305, 320.485

Trichromacy



Original Color
68, 5.810, 90.014

Protanomaly
68, 5.951, 86.449

Deuteranomaly
68, 7.797, 44.814

Tritanomaly
68, 4.410, 341.098

Monochromacy



Original Color
68, 5.810, 90.014

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 2.312, 90.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 5.810, 90.014 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(170, 165, 155)` looks like.

```
.text, #text, p{  
    color:rgb(170, 165, 155)  
}
```

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(170, 165, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 165, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 5.810, 90.014 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(170, 165, 155) }
```

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

```
.border{ border-color:rgb(170, 165, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 165, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 165, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 165, 155); box-shadow:4px 4px 4px 4px rgb(170, 165, 155) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 5.810, 90.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 165, 155) }
```

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

```
.background{ background-color: rgb(170,  
165, 155) }
```

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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