

Converting Colors

CIELCh(70, 3.354, 20.056)

Have a look what the booklet for
CIELCh(70, 3.354, 20.056) contains.

| | |
|--|----|
| CIELCh(70, 3.426, 19.562) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(70, 3.426, 19.562)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B2A9A9 |
| RGB | 178, 169, 169 |
| RGB Percent | 70%, 66%, 66% |
| CMY | 0.3016, 0.3369, 0.3369 |
| CMYK | 0.00, 0.05, 0.05, 0.30 |
| HSL | 0°, 6%, 68% |
| HSV | 0°, 5%, 70% |
| XYZ | 39.7518, 40.7494, 43.3474 |
| YIQ | 171.6910, 5.3640, 1.9080 |

Conversions

Conversions Part 2

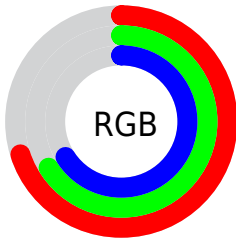
| Format | Color |
|-------------------------------------|--|
| RYB | 178, 169, 169 |
| Decimal | 11708841 |
| CIELab | 70.00, 3.23, 1.15 |
| CIELCh | 70, 3.426, 19.562 |
| Yxy | 40.7494, 0.3210, 0.3290 |
| Android (android.graphics.Color) | 4289898921 (0xFFB2A9A9) |
| YUV | 171.6910, -1.3267, 5.5330 |
| Hunter-Lab | 63.8353, -0.5553, 4.4238 |

Details

The CIELCh color $70, 3.426, 19.562$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 3.319, 199.312$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 3.607, 19.493$, and $50, 3.263, 19.663$ is the 20% darker color. If you saturate the color by 10%, you get $65, 10.607, 20.400$, and if you desaturate by 10%, it is $75, 3.222, 199.340$.

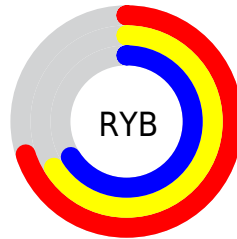
Distribution



Red (70%)

Green (66%)

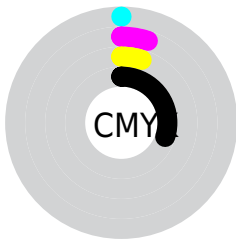
Blue (66%)



Red (70%)

Yellow (66%)

Blue (66%)

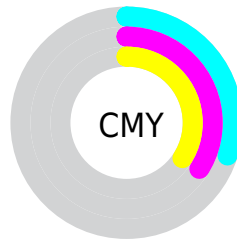


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (30%)



Cyan (30%)

Magenta (34%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.426, 19.562 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 70, 3.426, 19.562 by changing the saturation by 10% instead.

 70, 3.426, 19.562  70, 3.426, 19.562

 100, 3.426, 19.562  60, 3.426, 19.562

 90, 3.426, 19.562  50, 3.426, 19.562

 40, 3.426, 19.562

 30, 3.426, 19.562

 20, 3.426, 19.562

 10, 3.426, 19.562

 0, 3.426, 19.562

 70, 3.426, 19.562  70, 3.426, 19.562

 65, 10.607, 20.400  75, 3.222, 199.340

60, 18.345, 21.337

80, 9.375, 198.798

55, 26.626, 22.538

86, 15.084,
198.427

51, 35.377, 24.100

91, 20.399,
198.136

47, 44.449, 26.130

43, 53.608, 28.725

95, 24.527,
197.905

40, 62.523, 31.903

38, 70.690, 35.435

37, 77.052, 38.549

Harmonies

Complementary

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



70, 3.426, 19.562



72, 3.319, 199.312

Rectangle

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



70, 3.426, 19.562



70, 3.426, 69.562



70, 3.426, 199.562



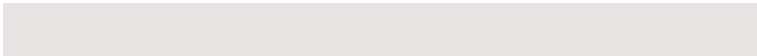
70, 3.426, 249.562

Sweetspot

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



70, 3.425, 19.590



91, 1.662, 19.185



70, 5.998, 324.675



49, 0.952, 19.158



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 3.425, 19.590



88, 5.063, 19.683



71, 2.971, 74.703



36, 2.707, 19.718



31, 70.925, 39.531



2, 9.153, 19.428

Inverse Universe

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



72, 3.319, 199.312



91, 4.875, 199.230



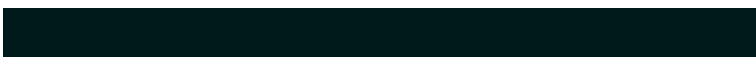
71, 2.947, 256.157



37, 2.600, 199.200



57, 34.209, 196.440



7, 9.132, 199.148

Previews

White Background



This preview shows how the CIELCh color 70, 3.426, 19.562 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 70, 3.426, 19.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

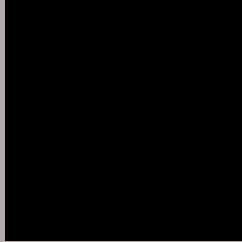
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

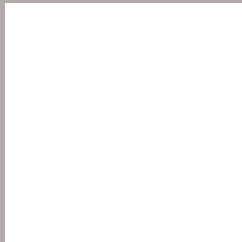
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.426, 19.562

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.426, 19.562.



This preview shows how white text looks on a background with the CIELCh color 70, 3.426, 19.562.

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

70, 3.426, 19.562

Protanopia

70, 1.514, 19.213

Deuteranopia

70, 8.719, 5.685



Tritanopia
70, 8.657, 324.805

Trichromacy



Original Color
70, 3.426, 19.562

Protanomaly
70, 1.894, 19.311

Deuteranomaly
70, 6.708, 5.831

Tritanomaly
70, 6.053, 333.557

Monochromacy



Original Color
70, 3.426, 19.562

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.133, 19.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 3.426, 19.562 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(178, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(178, 169, 169)  
}
```

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(178, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 169, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.426, 19.562 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(178, 169, 169) }
```

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

```
.border{ border-color:rgb(178, 169, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 169, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 169, 169);  
box-shadow:4px 4px 4px 4px rgb(178, 169,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.426, 19.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 169, 169) }
```

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

```
.background{ background-color: rgb(178,  
169, 169) }
```

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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