

Converting Colors

CIELCh(34, 70.163, 34.804)

Have a look what the booklet for
CIELCh(34, 70.163, 34.804) contains.

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Color

CIELCh(34, 70.060, 34.726)

Conversions

Conversions Part 1

Format	Color
Hex	A40213
RGB	164, 2, 19
RGB Percent	64%, 1%, 7%
CMY	0.3562, 0.9907, 0.9250
CMYK	0.00, 0.99, 0.88, 0.36
HSL	354°, 97%, 33%
HSV	354°, 99%, 64%
XYZ	15.4877, 8.0082, 1.3506
YIQ	52.3760, 91.0950, 39.6310

Conversions

Conversions Part 2

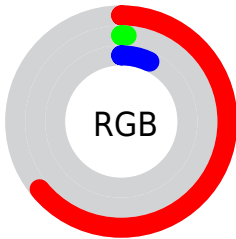
Format	Color
RYB	164, 2, 19
Decimal	10748435
CIELab	34.00, 57.58, 39.91
CIElCh	34, 70.060, 34.726
Yxy	8.0082, 0.6233, 0.3223
Android (android.graphics.Color)	4288938515 (0xFFA40213)
YUV	52.3760, -16.4544, 97.8942
Hunter-Lab	28.2988, 48.1686, 16.9794

Details

The CIELCh color **34, 70.060, 34.726** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **61, 39.545, 182.104**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 70.293, 34.779**, and **19, 50.503, 35.960** is the 20% darker color. If you saturate the color by 10%, you get **34, 70.833, 35.245**, and if you desaturate by 10%, it is **35, 64.414, 30.378**.

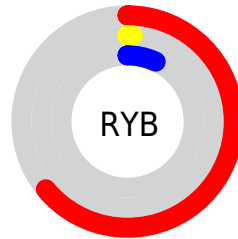
Distribution



Red (64%)

Green (1%)

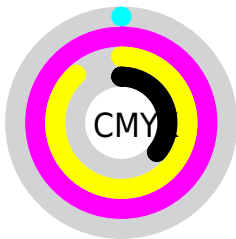
Blue (7%)



Red (64%)

Yellow (1%)

Blue (7%)

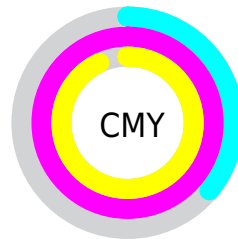


Cyan (0%)

Magenta (99%)

Yellow (88%)

Black (36%)



Cyan (36%)

Magenta (99%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 70.060, 34.726 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 34, 70.060, 34.726 by changing the saturation by 10% instead.

 34, 70.060, 34.726

 34, 70.060, 34.726

 100, 70.060,
34.726

 24, 70.060, 34.726

 54, 70.060, 34.726

 14, 70.060, 34.726

 64, 70.060, 34.726

 4, 70.060, 34.726

 74, 70.060, 34.726

 0, 70.060, 34.726

 84, 70.060, 34.726

 94, 70.060, 34.726

 34, 70.060, 34.726

 34, 70.060, 34.726

 34, 70.833, 35.245

 35, 64.414, 30.378

37, 57.917, 26.066

39, 50.721, 22.378

42, 43.051, 19.397

46, 35.166, 17.039

50, 27.317, 15.179

54, 19.694, 13.698

59, 12.418, 12.499

63, 5.547, 11.483

Harmonies

Complementary

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



34, 70.060, 34.726



61, 39.545, 182.104

Rectangle

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



34, 70.060, 34.726



34, 70.060, 84.726



34, 70.060, 214.726



34, 70.060, 264.726

Sweetspot

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



34, 70.057, 34.728



68, 25.838, 13.970



36, 83.457, 323.799



34, 17.790, 14.546



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



34, 70.057, 34.728



45, 87.214, 36.110



41, 63.875, 52.542



32, 3.657, 11.552



30, 64.421, 34.746



1, 5.524, 11.654

Inverse Universe

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



34, 70.057, 34.728



45, 87.214, 36.110



42, 40.235, 268.823



32, 3.657, 11.552



30, 64.421, 34.746



1, 5.524, 11.654

Previews

White Background



This preview shows how the CIE LCh color 34, 70.060, 34.726 looks on a white 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

Black Background



This preview shows how the CIELCh color 34, 70.060, 34.726 looks on a black 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

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

CIELCh 34, 70.060, 34.726

Background



This preview shows how black text looks on a background with the CIELCh color 34, 70.060, 34.726.



This preview shows how white text looks on a background with the CIELCh color 34, 70.060, 34.726.

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

34, 70.060, 34.726

Protanopia

35, 29.646, 96.324

Deuteranopia

35, 43.881, 84.772



Tritanopia
34, 73.274, 41.054

Trichromacy



Original Color
34, 70.060, 34.726

Protanomaly
31, 38.570, 47.302

Deuteranomaly
32, 50.526, 52.421

Tritanomaly
34, 71.998, 38.829

Monochromacy



Original Color
34, 70.060, 34.726

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 28.771, 19.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 70.060, 34.726 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(164, 2, 19)` looks like.

```
.text, #text, p{  
    color:rgb(164, 2, 19)  
}
```

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(164, 2, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 2, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 70.060, 34.726 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(164, 2, 19) }
```

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

```
.border{ border-color:rgb(164, 2, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 2, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 2, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 2, 19);  
box-shadow:4px 4px 4px 4px rgb(164, 2, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 70.060, 34.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 2, 19) }
```

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

```
.background{ background-color: rgb(164, 2,  
19) }
```

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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