

Converting Colors

CIELCh(36, 70.672, 36.448)

Have a look what the booklet for
CIELCh(36, 70.672, 36.448) contains.

CIELCh(36, 70.828, 36.494)	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(36, 70.828, 36.494)

Conversions

Conversions Part 1

Format	Color
Hex	AA1213
RGB	170, 18, 19
RGB Percent	67%, 7%, 7%
CMY	0.3337, 0.9300, 0.9258
CMYK	0.00, 0.89, 0.89, 0.33
HSL	360°, 81%, 37%
HSV	360°, 89%, 67%
XYZ	16.8853, 9.0082, 1.4615
YIQ	63.5620, 90.2710, 32.5350

Conversions

Conversions Part 2

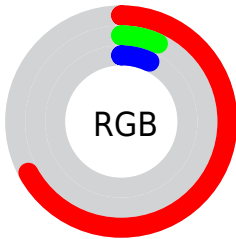
Format	Color
RYB	170, 18, 19
Decimal	11145747
CIELab	36.00, 56.94, 42.12
CIELCh	36, 70.828, 36.494
Yxy	9.0082, 0.6173, 0.3293
Android (android.graphics.Color)	4289335827 (0xFFAA1213)
YUV	63.5620, -21.9691, 93.3461
Hunter-Lab	30.0136, 47.8982, 18.1224

Details

The CIELCh color **36, 70.828, 36.494** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **63, 36.414, 195.462**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 70.842, 36.544**, and **21, 53.064, 36.672** is the 20% darker color. If you saturate the color by 10%, you get **35, 76.432, 39.458**, and if you desaturate by 10%, it is **38, 63.534, 32.924**.

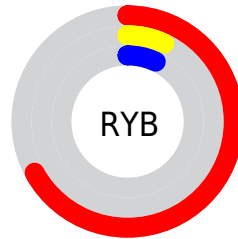
Distribution



Red (67%)

Green (7%)

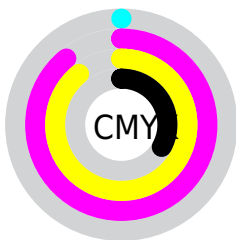
Blue (7%)



Red (67%)

Yellow (7%)

Blue (7%)

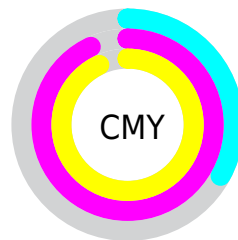


Cyan (0%)

Magenta (89%)

Yellow (89%)

Black (33%)



Cyan (33%)

Magenta (93%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 70.828, 36.494 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 36, 70.828, 36.494 by changing the saturation by 10% instead.

 36, 70.828, 36.494

 36, 70.828, 36.494

 100, 70.828,
36.494

 26, 70.828, 36.494

 56, 70.828, 36.494

 16, 70.828, 36.494

 66, 70.828, 36.494

 6, 70.828, 36.494

 76, 70.828, 36.494

 0, 70.828, 36.494

 86, 70.828, 36.494

 96, 70.828, 36.494

 36, 70.828, 36.494

 36, 70.828, 36.494

 35, 76.432, 39.458

 38, 63.534, 32.924

35, 76.714, 39.600

40, 55.243, 29.513

43, 46.547, 26.648

47, 37.800, 24.375

51, 29.260, 22.613

55, 21.107, 21.255

60, 13.441, 20.200

65, 6.300, 19.350

70, 0.321, 200.312

Harmonies

Complementary

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



36, 70.828, 36.494



63, 36.414, 195.462

Rectangle

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



36, 70.828, 36.494



36, 70.828, 86.494



36, 70.828, 216.494



36, 70.828, 266.494

Sweetspot

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



36, 70.825, 36.496



72, 23.831, 21.022



41, 82.942, 327.536



36, 16.382, 21.412



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



36, 70.825, 36.496



46, 93.828, 39.766



47, 58.125, 61.852



33, 3.723, 19.332



30, 68.771, 39.079



1, 6.573, 18.897

Inverse Universe

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



36, 70.825, 36.496



46, 93.828, 39.766



40, 45.950, 277.389



33, 3.723, 19.332



30, 68.771, 39.079



1, 6.573, 18.897

Previews

White Background



This preview shows how the CIELCh color 36, 70.828, 36.494 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 36, 70.828, 36.494 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 36, 70.828, 36.494

Background



This preview shows how black text looks on a background with the CIELCh color 36, 70.828, 36.494.



This preview shows how white text looks on a background with the CIELCh color 36, 70.828, 36.494.

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

36, 70.828, 36.494

Protanopia

37, 32.205, 95.895

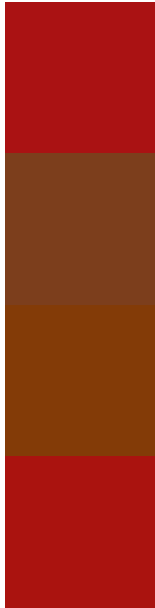
Deuteranopia

37, 45.039, 84.673



Tritanopia
36, 72.238, 38.344

Trichromacy



Original Color
36, 70.828, 36.494

Protanomaly
34, 40.235, 53.046

Deuteranomaly
34, 50.635, 56.125

Tritanomaly
36, 71.749, 37.807

Monochromacy



Original Color
36, 70.828, 36.494

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 27.311, 25.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 70.828, 36.494 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, 18, 19)` looks like.

```
.text, #text, p{  
    color:rgb(170, 18, 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(170, 18, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 18, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 70.828, 36.494 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, 18, 19) }
```

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

```
.border{ border-color:rgb(170, 18, 19) }
```

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

Here you see how a box with a 4 pixel rgb(170, 18, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 18, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 18, 19);  
box-shadow:4px 4px 4px 4px rgb(170, 18,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 70.828, 36.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 18, 19) }
```

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

```
.background{ background-color: rgb(170, 18,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor