

Converting Colors

CIELCh(34, 72.577, 36.762)

Have a look what the booklet for
CIELCh(34, 72.577, 36.762) contains.

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Color

CIELCh(34, 72.401, 36.786)

Conversions

Conversions Part 1

Format	Color
Hex	A5000C
RGB	165, 0, 12
RGB Percent	65%, 0%, 5%
CMY	0.3534, 1.0000, 0.9533
CMYK	0.00, 1.00, 0.93, 0.35
HSL	356°, 100%, 32%
HSV	356°, 100%, 65%
XYZ	15.5564, 8.0082, 1.0709
YIQ	50.7030, 94.4880, 38.7120

Conversions

Conversions Part 2

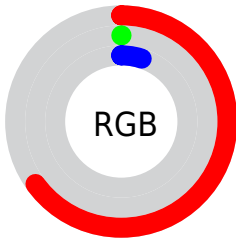
Format	Color
RYB	165, 0, 12
Decimal	10813452
CIELab	34.00, 57.98, 43.36
CIElCh	34, 72.401, 36.786
Yxy	8.0082, 0.6315, 0.3251
Android (android.graphics.Color)	4289003532 (0xFFA5000C)
YUV	50.7030, -19.0806, 100.2385
Hunter-Lab	28.2988, 48.6018, 17.5654

Details

The CIELCh color **34, 72.401, 36.786** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **61, 38.521, 186.006**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 72.363, 36.970**, and **20, 50.932, 36.087** is the 20% darker color. If you saturate the color by 10%, you get **34, 72.380, 36.805**, and if you desaturate by 10%, it is **35, 66.788, 33.037**.

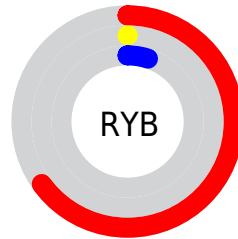
Distribution



Red (65%)

Green (0%)

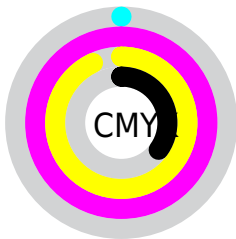
Blue (5%)



Red (65%)

Yellow (0%)

Blue (5%)

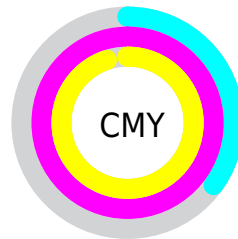


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (35%)



Cyan (35%)

Magenta (100%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 72.401, 36.786 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, 72.401, 36.786 by changing the saturation by 10% instead.

 34, 72.401, 36.786

 34, 72.401, 36.786

 100, 72.401,
36.786

 24, 72.401, 36.786

 54, 72.401, 36.786

 14, 72.401, 36.786

 64, 72.401, 36.786

 4, 72.401, 36.786

 74, 72.401, 36.786

 0, 72.401, 36.786

 84, 72.401, 36.786

 94, 72.401, 36.786

 34, 72.401, 36.786

 34, 72.401, 36.786

 34, 72.380, 36.805

 35, 66.788, 33.037

■ 36, 60.098, 28.853

■ 39, 52.648, 25.143

■ 42, 44.740, 22.100

■ 45, 36.648, 19.688

■ 49, 28.620, 17.796

■ 54, 20.851, 16.305

■ 58, 13.460, 15.112

■ 63, 6.507, 14.125

Harmonies

Complementary

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



34, 72.401, 36.786



61, 38.521, 186.006

Rectangle

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



34, 72.401, 36.786



34, 72.401, 86.786



34, 72.401, 216.786



34, 72.401, 266.786

Sweetspot

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



34, 72.380, 36.805



68, 25.844, 16.378



37, 83.817, 325.015



34, 17.813, 16.939



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, 72.380, 36.805



45, 88.731, 37.525



42, 63.841, 54.607



32, 3.641, 14.056



30, 65.591, 36.310



1, 5.495, 13.974

Inverse Universe

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



34, 72.380, 36.805



45, 88.731, 37.525



40, 43.663, 274.125



32, 3.641, 14.056



30, 65.591, 36.310



1, 5.495, 13.974

Previews

White Background



This preview shows how the CIELCh color 34, 72.401, 36.786 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, 72.401, 36.786 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, 72.401, 36.786

Background



This preview shows how black text looks on a background with the CIELCh color 34, 72.401, 36.786.



This preview shows how white text looks on a background with the CIELCh color 34, 72.401, 36.786.

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, 72.401, 36.786

Protanopia

35, 33.262, 95.708

Deuteranopia

35, 43.881, 84.772



Tritanopia
34, 73.638, 41.052

Trichromacy



Original Color
34, 72.401, 36.786

Protanomaly
31, 41.840, 50.153

Deuteranomaly
31, 51.648, 52.741

Tritanomaly
34, 73.097, 39.604

Monochromacy



Original Color
34, 72.401, 36.786

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 30.072, 21.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 72.401, 36.786 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, 0, 12)` looks like.

```
.text, #text, p{  
    color:rgb(165, 0, 12)  
}
```

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, 0, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 0, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 72.401, 36.786 is called "border". The border property can be set on classes, ids or directly on the HTML element.

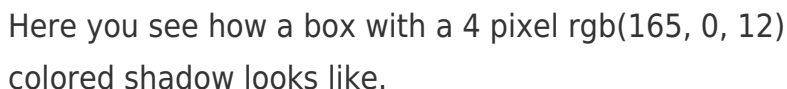
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 0, 12) }
```

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

```
.border{ border-color:rgb(165, 0, 12) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 0, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(165, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 72.401, 36.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 0, 12) }
```

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

```
.background{ background-color: rgb(165, 0,  
12) }
```

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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