

Converting Colors

CIELCh(36, 74.908, 35.654)

Have a look what the booklet for
CIELCh(36, 74.908, 35.654) contains.

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Color

CIELCh(36, 74.385, 35.761)

Conversions

Conversions Part 1

Format	Color
Hex	AE0011
RGB	174, 0, 17
RGB Percent	68%, 0%, 7%
CMY	0.3184, 1.0000, 0.9339
CMYK	0.00, 1.00, 0.90, 0.32
HSL	354°, 100%, 34%
HSV	354°, 100%, 68%
XYZ	17.5093, 9.0082, 1.3408
YIQ	53.9640, 98.2470, 42.1750

Conversions

Conversions Part 2

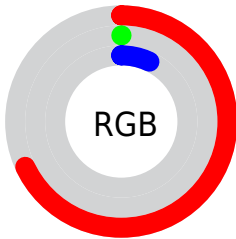
Format	Color
RYB	174, 0, 17
Decimal	11403281
CIELab	36.00, 60.36, 43.47
CIElCh	36, 74.385, 35.761
Yxy	9.0082, 0.6285, 0.3234
Android (android.graphics.Color)	4289593361 (0xFFAE0011)
YUV	53.9640, -18.2233, 105.2716
Hunter-Lab	30.0136, 51.6093, 18.3609

Details

The CIELCh color **36, 74.385, 35.761** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **64, 41.141, 182.707**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 74.552, 35.795**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **36, 74.351, 35.791**, and if you desaturate by 10%, it is **37, 68.609, 31.635**.

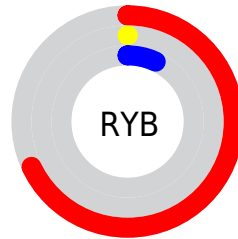
Distribution



Red (68%)

Green (0%)

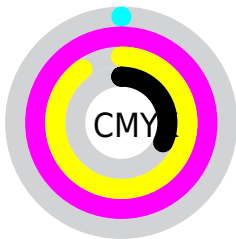
Blue (7%)



Red (68%)

Yellow (0%)

Blue (7%)

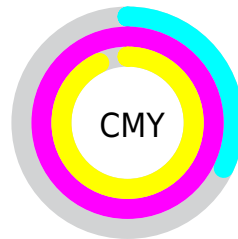


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (32%)



Cyan (32%)

Magenta (100%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 74.385, 35.761 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, 74.385, 35.761 by changing the saturation by 10% instead.

 36, 74.385, 35.761

 36, 74.385, 35.761

 100, 74.385,
35.761

 26, 74.385, 35.761

 56, 74.385, 35.761

 16, 74.385, 35.761

 66, 74.385, 35.761

 6, 74.385, 35.761

 76, 74.385, 35.761

 0, 74.385, 35.761

 86, 74.385, 35.761

 96, 74.385, 35.761

 36, 74.385, 35.761

 36, 74.385, 35.761

 36, 74.351, 35.791

 37, 68.609, 31.635

■ 39, 61.895, 27.260

■ 41, 54.400, 23.446

■ 44, 46.374, 20.339

■ 48, 38.091, 17.878

■ 52, 29.819, 15.942

■ 56, 21.769, 14.409

■ 61, 14.078, 13.174

■ 66, 6.816, 12.143

Harmonies

Complementary

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



36, 74.385, 35.761



64, 41.141, 182.707

Rectangle

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



36, 74.385, 35.761



36, 74.385, 85.761



36, 74.385, 215.761



36, 74.385, 265.761

Sweetspot

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



36, 74.351, 35.791



72, 27.085, 14.482



38, 87.281, 324.373



36, 18.845, 15.082



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



36, 74.351, 35.791



47, 91.599, 36.577



43, 67.050, 53.314



34, 3.843, 12.076



31, 66.438, 35.246



2, 7.865, 12.848

Inverse Universe

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



36, 74.351, 35.791



47, 91.599, 36.577



43, 44.046, 272.101



34, 3.843, 12.076



31, 66.438, 35.246



2, 7.865, 12.848

Previews

White Background



This preview shows how the CIELCh color 36, 74.385, 35.761 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, 74.385, 35.761 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, 74.385, 35.761

Background



This preview shows how black text looks on a background with the CIELCh color 36, 74.385, 35.761.



This preview shows how white text looks on a background with the CIELCh color 36, 74.385, 35.761.

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, 74.385, 35.761

Protanopia

37, 33.182, 96.041

Deuteranopia

37, 45.548, 84.237



Tritanopia
36, 76.760, 41.101

Trichromacy



Original Color
36, 74.385, 35.761

Protanomaly
33, 42.922, 48.734

Deuteranomaly
33, 53.299, 52.257

Tritanomaly
36, 75.807, 39.192

Monochromacy



Original Color
36, 74.385, 35.761

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 31.642, 21.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 74.385, 35.761 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(174, 0, 17)` looks like.

```
.text, #text, p{  
  color:rgb(174, 0, 17)  
}
```

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(174, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 74.385, 35.761 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(174, 0, 17) }
```

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

```
.border{ border-color:rgb(174, 0, 17) }
```

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

Here you see how a box with a 4 pixel rgb(174, 0, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(174, 0, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 74.385, 35.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 17) }
```

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

```
.background{ background-color: rgb(174, 0,  
17) }
```

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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