

Converting Colors

CIELCh(36, 72.294, 34.194)

Have a look what the booklet for
CIELCh(36, 72.294, 34.194) contains.

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Color

CIELCh(36, 72.460, 34.335)

Conversions

Conversions Part 1

Format	Color
Hex	AD0316
RGB	173, 3, 22
RGB Percent	68%, 1%, 9%
CMY	0.3216, 0.9881, 0.9137
CMYK	0.00, 0.98, 0.87, 0.32
HSL	353°, 97%, 35%
HSV	353°, 98%, 68%
XYZ	17.4123, 9.0082, 1.5803
YIQ	55.9960, 95.2210, 41.9490

Conversions

Conversions Part 2

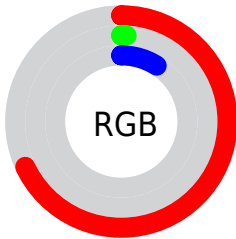
Format	Color
RYB	173, 3, 22
Decimal	11338518
CIELab	36.00, 59.83, 40.87
CIElCh	36, 72.460, 34.335
Yxy	9.0082, 0.6219, 0.3217
Android (android.graphics.Color)	4289528598 (0xFFAD0316)
YUV	55.9960, -16.7600, 102.6125
Hunter-Lab	30.0136, 51.0322, 17.8877

Details

The CIELCh color **36, 72.460, 34.335** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **64, 41.467, 181.090**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 72.572, 34.276**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **36, 73.427, 35.000**, and if you desaturate by 10%, it is **37, 66.660, 29.846**.

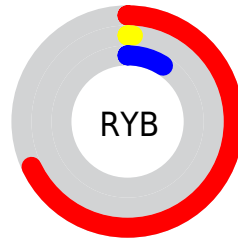
Distribution



Red (68%)

Green (1%)

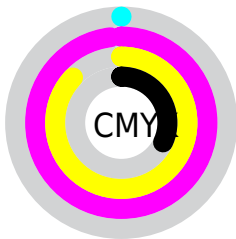
Blue (9%)



Red (68%)

Yellow (1%)

Blue (9%)

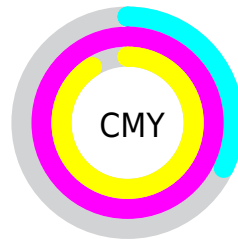


Cyan (0%)

Magenta (98%)

Yellow (87%)

Black (32%)



Cyan (32%)

Magenta (99%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 72.460, 34.335 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, 72.460, 34.335 by changing the saturation by 10% instead.

 36, 72.460, 34.335

 36, 72.460, 34.335

 100, 72.460,
34.335

 26, 72.460, 34.335

 56, 72.460, 34.335

 16, 72.460, 34.335

 66, 72.460, 34.335

 6, 72.460, 34.335

 76, 72.460, 34.335

 0, 72.460, 34.335

 86, 72.460, 34.335

 96, 72.460, 34.335

 36, 72.460, 34.335

 36, 72.460, 34.335

 36, 73.427, 35.000

 37, 66.660, 29.846

■ 39, 59.969, 25.480

■ 41, 52.541, 21.766

■ 44, 44.599, 18.771

■ 48, 36.417, 16.404

■ 52, 28.257, 14.536

■ 57, 20.323, 13.048

■ 62, 12.742, 11.839

■ 67, 5.579, 10.811

Harmonies

Complementary

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



36, 72.460, 34.335



64, 41.467, 181.090

Rectangle

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



36, 72.460, 34.335



36, 72.460, 84.335



36, 72.460, 214.335



36, 72.460, 264.335

Sweetspot

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



36, 72.457, 34.337



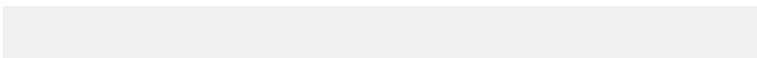
72, 25.877, 13.219



38, 86.704, 323.791



36, 17.934, 13.810



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, 72.457, 34.337



47, 90.017, 35.826



43, 66.331, 52.447



34, 3.852, 10.917



31, 65.842, 34.441



2, 7.883, 11.879

Inverse Universe

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



36, 72.457, 34.337



47, 90.017, 35.826



44, 41.843, 268.891



34, 3.852, 10.917



31, 65.842, 34.441



2, 7.883, 11.879

Previews

White Background



This preview shows how the CIELCh color 36, 72.460, 34.335 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, 72.460, 34.335 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, 72.460, 34.335

Background



This preview shows how black text looks on a background with the CIELCh color 36, 72.460, 34.335.



This preview shows how white text looks on a background with the CIELCh color 36, 72.460, 34.335.

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, 72.460, 34.335

Protanopia

37, 30.022, 96.680

Deuteranopia

37, 45.363, 84.844



Tritanopia
36, 76.406, 41.109

Trichromacy



Original Color
36, 72.460, 34.335

Protanomaly
33, 40.055, 46.378

Deuteranomaly
33, 52.118, 52.479

Tritanomaly
36, 74.905, 38.786

Monochromacy



Original Color
36, 72.460, 34.335

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 30.373, 18.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 72.460, 34.335 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(173, 3, 22)` looks like.

```
.text, #text, p{  
    color:rgb(173, 3, 22)  
}
```

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(173, 3, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 3, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 72.460, 34.335 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(173, 3, 22) }
```

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

```
.border{ border-color:rgb(173, 3, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 3, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 3, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 3, 22);  
box-shadow:4px 4px 4px 4px rgb(173, 3, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 72.460, 34.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 3, 22) }
```

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

```
.background{ background-color: rgb(173, 3,  
22) }
```

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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