

Converting Colors

CIELCh(36, 73.060, 34.398)

Have a look what the booklet for
CIELCh(36, 73.060, 34.398) contains.

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Color

CIELCh(36, 73.335, 34.507)

Conversions

Conversions Part 1

Format	Color
Hex	AE0015
RGB	174, 0, 21
RGB Percent	68%, 0%, 8%
CMY	0.3187, 1.0000, 0.9184
CMYK	0.00, 1.00, 0.88, 0.32
HSL	353°, 100%, 34%
HSV	353°, 100%, 68%
XYZ	17.5225, 9.0082, 1.5156
YIQ	54.4200, 96.9630, 43.4190

Conversions

Conversions Part 2

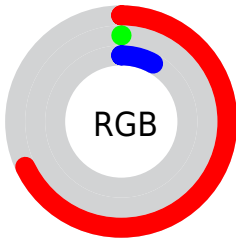
Format	Color
RYB	174, 0, 21
Decimal	11403285
CIELab	36.00, 60.43, 41.54
CIELCh	36, 73.335, 34.507
Yxy	9.0082, 0.6248, 0.3212
Android (android.graphics.Color)	4289593365 (0xFFAE0015)
YUV	54.4200, -16.4761, 104.8717
Hunter-Lab	30.0136, 51.6879, 18.0155

Details

The CIELCh color **36, 73.335, 34.507** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **64, 42.206, 179.860**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 73.470, 34.378**, and **22, 54.749, 37.089** is the 20% darker color. If you saturate the color by 10%, you get **36, 73.287, 34.552**, and if you desaturate by 10%, it is **37, 67.630, 30.110**.

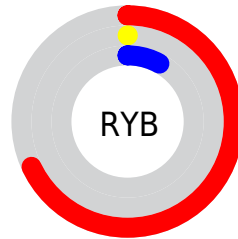
Distribution



Red (68%)

Green (0%)

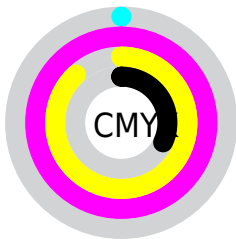
Blue (8%)



Red (68%)

Yellow (0%)

Blue (8%)

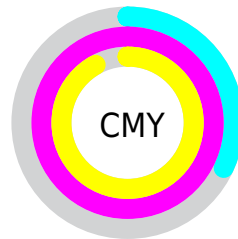


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (32%)



Cyan (32%)

Magenta (100%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 73.335, 34.507 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, 73.335, 34.507 by changing the saturation by 10% instead.

 36, 73.335, 34.507

 36, 73.335, 34.507

 100, 73.335,
34.507

 26, 73.335, 34.507

 56, 73.335, 34.507

 16, 73.335, 34.507

 66, 73.335, 34.507

 6, 73.335, 34.507

 76, 73.335, 34.507

 0, 73.335, 34.507

 86, 73.335, 34.507

 96, 73.335, 34.507

 36, 73.335, 34.507

 36, 73.335, 34.507

 36, 73.287, 34.552

 37, 67.630, 30.110

■ 39, 61.161, 25.617

■ 41, 53.913, 21.760

■ 44, 46.087, 18.635

■ 48, 37.950, 16.161

■ 52, 29.774, 14.209

■ 56, 21.779, 12.654

■ 61, 14.109, 11.393

■ 66, 6.842, 10.333

Harmonies

Complementary

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



36, 73.335, 34.507



64, 42.206, 179.860

Rectangle

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



36, 73.335, 34.507



36, 73.335, 84.507



36, 73.335, 214.507



36, 73.335, 264.507

Sweetspot

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



36, 73.287, 34.552



72, 27.104, 12.728



37, 87.553, 323.131



36, 18.843, 13.337



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, 73.287, 34.552



47, 90.361, 35.420



42, 68.255, 51.203



34, 3.859, 10.263



31, 65.499, 33.961



2, 7.895, 11.332

Inverse Universe

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



36, 73.287, 34.552



47, 90.361, 35.420



45, 41.231, 267.227



34, 3.859, 10.263



31, 65.499, 33.961



2, 7.895, 11.332

Previews

White Background



This preview shows how the CIELCh color 36, 73.335, 34.507 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, 73.335, 34.507 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, 73.335, 34.507

Background



This preview shows how black text looks on a background with the CIELCh color 36, 73.335, 34.507.



This preview shows how white text looks on a background with the CIELCh color 36, 73.335, 34.507.

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, 73.335, 34.507

Protanopia
37, 31.157, 95.859

Deuteranopia
37, 45.548, 84.237



Tritanopia
36, 76.760, 41.101

Trichromacy



Original Color
36, 73.335, 34.507

Protanomaly
33, 41.453, 46.568

Deuteranomaly
33, 52.735, 51.727

Tritanomaly
36, 75.342, 38.728

Monochromacy



Original Color
36, 73.335, 34.507

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 31.372, 18.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 73.335, 34.507 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(174, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 73.335, 34.507 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, 21) }
```

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

```
.border{ border-color:rgb(174, 0, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(174, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 73.335, 34.507 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, 21) }
```

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

```
.background{ background-color: rgb(174, 0,  
21) }
```

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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