

Converting Colors

CIELCh(36, 66.392, 23.320)

Have a look what the booklet for
CIELCh(36, 66.392, 23.320) contains.

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Color

CIELCh(36, 66.392, 23.320)

Conversions

Conversions Part 1

Format	Color
Hex	AD002F
RGB	173, 0, 47
RGB Percent	68%, 0%, 18%
CMY	0.3235, 1.0000, 0.8170
CMYK	0.00, 1.00, 0.73, 0.32
HSL	344°, 100%, 34%
HSV	344°, 100%, 68%
XYZ	17.6217, 9.0082, 3.4640
YIQ	57.0850, 88.0210, 51.2930

Conversions

Conversions Part 2

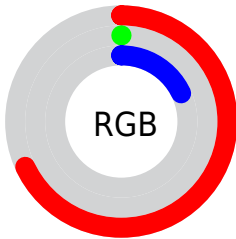
Format	Color
RYB	173, 0, 47
Decimal	11337775
CIELab	36.00, 60.97, 26.28
CIElCh	36, 66.392, 23.320
Yxy	9.0082, 0.5856, 0.2993
Android (android.graphics.Color)	4289527855 (0xFFAD002F)
YUV	57.0850, -4.9719, 101.6575
Hunter-Lab	30.0136, 52.2780, 14.1666

Details

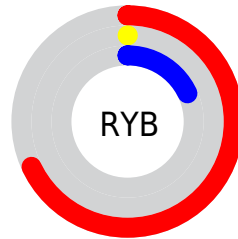
The CIELCh color **36, 66.392, 23.320** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **63, 50.679, 164.401**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 66.080, 23.204**, and **22, 54.526, 36.740** is the 20% darker color. If you saturate the color by 10%, you get **36, 66.291, 23.409**, and if you desaturate by 10%, it is **37, 62.349, 18.253**.

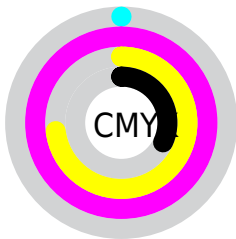
Distribution



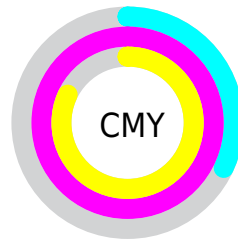
- Red (68%)
- Green (0%)
- Blue (18%)



- Red (68%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (32%)



- Cyan (32%)
- Magenta (100%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 66.392, 23.320 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, 66.392, 23.320 by changing the saturation by 10% instead.

 36, 66.392, 23.320

 36, 66.392, 23.320

 100, 66.392,
23.320

 26, 66.392, 23.320

 56, 66.392, 23.320

 16, 66.392, 23.320

 66, 66.392, 23.320

 6, 66.392, 23.320

 76, 66.392, 23.320

 0, 66.392, 23.320

 86, 66.392, 23.320

 96, 66.392, 23.320

 36, 66.392, 23.320

 36, 66.392, 23.320

 36, 66.291, 23.409

 37, 62.349, 18.253

■ 39, 57.718, 13.681

■ 41, 51.984, 9.985

■ 44, 45.273, 7.055

■ 48, 37.880, 4.730

■ 52, 30.135, 2.859

■ 56, 22.315, 1.326

■ 61, 14.615, 0.039

■ 66, 7.157, 358.920

Harmonies

Complementary

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



36, 66.392, 23.320



63, 50.679, 164.401

Rectangle

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



36, 66.392, 23.320



36, 66.392, 73.320



36, 66.392, 203.320



36, 66.392, 253.320

Sweetspot

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



36, 66.291, 23.409



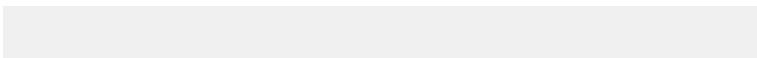
72, 27.658, 1.400



32, 89.049, 317.941



35, 18.955, 1.996



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, 66.291, 23.409



47, 81.246, 24.517



38, 73.379, 44.170



34, 4.062, 358.846



31, 59.688, 22.714



2, 8.225, 1.687

Inverse Universe

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



36, 66.291, 23.409



47, 81.246, 24.517



52, 33.085, 238.951



34, 4.062, 358.846



31, 59.688, 22.714



2, 8.225, 1.687

Previews

White Background



This preview shows how the CIELCh color 36, 66.392, 23.320 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 CIE LCh color 36, 66.392, 23.320 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, 66.392, 23.320

Background



This preview shows how black text looks on a background with the CIELCh color 36, 66.392, 23.320.



This preview shows how white text looks on a background with the CIELCh color 36, 66.392, 23.320.

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, 66.392, 23.320

Protanopia

37, 11.263, 96.644

Deuteranopia

37, 30.452, 79.992



Tritanopia
36, 72.738, 38.119

Trichromacy



Original Color
36, 66.392, 23.320

Protanomaly
33, 31.027, 18.883

Deuteranomaly
33, 41.224, 36.475

Tritanomaly
36, 70.270, 33.546

Monochromacy



Original Color
36, 66.392, 23.320

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 30.449, 7.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 66.392, 23.320 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, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 47)  
}
```

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, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 66.392, 23.320 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, 0, 47) }
```

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

```
.border{ border-color:rgb(173, 0, 47) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 66.392, 23.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 47) }
```

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

```
.background{ background-color: rgb(173, 0,  
47) }
```

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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