

Converting Colors

CIELCh(36, 66.312, 33.349)

Have a look what the booklet for
CIELCh(36, 66.312, 33.349) contains.

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Color

CIELCh(36, 66.510, 33.589)

Conversions

Conversions Part 1

Format	Color
Hex	A8181D
RGB	168, 24, 29
RGB Percent	66%, 9%, 11%
CMY	0.3425, 0.9077, 0.8872
CMYK	0.00, 0.86, 0.83, 0.34
HSL	358°, 75%, 37%
HSV	358°, 86%, 66%
XYZ	16.6101, 9.0082, 2.0102
YIQ	67.6260, 84.2190, 32.0830

Conversions

Conversions Part 2

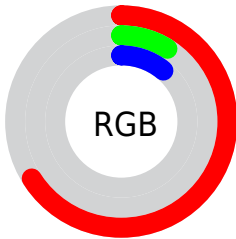
Format	Color
RYB	168, 24, 29
Decimal	11016221
CIELab	36.00, 55.40, 36.80
CIElCh	36, 66.510, 33.589
Yxy	9.0082, 0.6012, 0.3260
Android (android.graphics.Color)	4289206301 (0xFFA8181D)
YUV	67.6260, -19.0426, 88.0280
Hunter-Lab	30.0136, 46.2616, 17.0384

Details

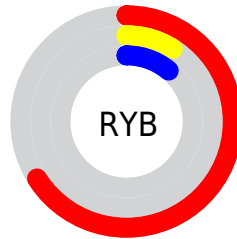
The CIELCh color **36, 66.510, 33.589** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **62, 36.398, 191.707**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 66.610, 33.633**, and **21, 52.640, 36.561** is the 20% darker color. If you saturate the color by 10%, you get **35, 72.637, 37.258**, and if you desaturate by 10%, it is **38, 59.049, 29.766**.

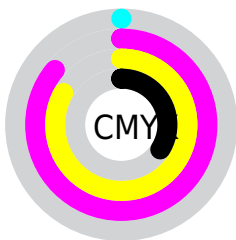
Distribution



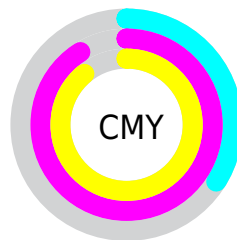
- Red (66%)
- Green (9%)
- Blue (11%)



- Red (66%)
- Yellow (9%)
- Blue (11%)



- Cyan (0%)
- Magenta (86%)
- Yellow (83%)
- Black (34%)



- Cyan (34%)
- Magenta (91%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 66.510, 33.589 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, 66.510, 33.589 by changing the saturation by 10% instead.

■ 36, 66.510, 33.589

■ 36, 66.510, 33.589

■ 100, 66.510,
33.589

■ 26, 66.510, 33.589

■ 56, 66.510, 33.589

■ 16, 66.510, 33.589

■ 66, 66.510, 33.589

■ 6, 66.510, 33.589

■ 76, 66.510, 33.589

■ 0, 66.510, 33.589

■ 86, 66.510, 33.589

■ 96, 66.510, 33.589

■ 36, 66.510, 33.589

■ 36, 66.510, 33.589

■ 35, 72.637, 37.258

■ 38, 59.049, 29.766

35, 74.733, 38.371

41, 50.930, 26.417

44, 42.517, 23.698

48, 34.097, 21.561

52, 25.900, 19.897

56, 18.082, 18.598

61, 10.726, 17.565

66, 3.861, 16.679

71, 2.524, 196.344

Harmonies

Complementary

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



36, 66.510, 33.589



62, 36.398, 191.707

Rectangle

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



36, 66.510, 33.589



36, 66.510, 83.589



36, 66.510, 213.589



36, 66.510, 263.589

Sweetspot

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



36, 66.507, 33.591



71, 22.363, 18.656



40, 80.946, 326.334



36, 15.456, 19.059



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



36, 66.507, 33.591



45, 91.009, 38.802



46, 55.994, 59.750



33, 3.725, 16.974



30, 67.740, 37.905



1, 6.583, 16.812

Inverse Universe

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



36, 66.507, 33.591



45, 91.009, 38.802



42, 41.227, 271.876



33, 3.725, 16.974



30, 67.740, 37.905



1, 6.583, 16.812

Previews

White Background



This preview shows how the CIELCh color 36, 66.510, 33.589 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, 66.510, 33.589 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, 66.510, 33.589

Background



This preview shows how black text looks on a background with the CIELCh color 36, 66.510, 33.589.



This preview shows how white text looks on a background with the CIELCh color 36, 66.510, 33.589.

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, 66.510, 33.589

Protanopia

37, 26.167, 97.199

Deuteranopia

37, 41.089, 83.652



Tritanopia
36, 68.333, 36.402

Trichromacy



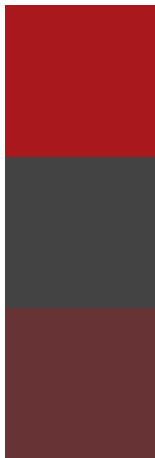
Original Color
36, 66.510, 33.589

Protanomaly
34, 34.649, 49.951

Deuteranomaly
34, 46.284, 54.317

Tritanomaly
36, 67.919, 35.528

Monochromacy



Original Color
36, 66.510, 33.589

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 25.740, 21.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 66.510, 33.589 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(168, 24, 29)` looks like.

```
.text, #text, p{  
    color:rgb(168, 24, 29)  
}
```

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(168, 24, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 24, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 66.510, 33.589 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(168, 24, 29) }
```

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

```
.border{ border-color:rgb(168, 24, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 24, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 24, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 24, 29);  
box-shadow:4px 4px 4px 4px rgb(168, 24,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 66.510, 33.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 24, 29) }
```

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

```
.background{ background-color: rgb(168, 24,  
29) }
```

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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