

Converting Colors

CIELCh(36, 66.467, 31.234)

Have a look what the booklet for
CIELCh(36, 66.467, 31.234) contains.

CIELCh(36, 66.467, 31.234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(36, 66.467, 31.234)

Conversions

Conversions Part 1

Format	Color
Hex	A91321
RGB	169, 19, 33
RGB Percent	66%, 7%, 13%
CMY	0.3373, 0.9255, 0.8706
CMYK	0.00, 0.89, 0.80, 0.34
HSL	354°, 80%, 37%
HSV	354°, 89%, 66%
XYZ	16.8660, 9.0082, 2.2879
YIQ	65.4460, 84.9060, 36.1540

Conversions

Conversions Part 2

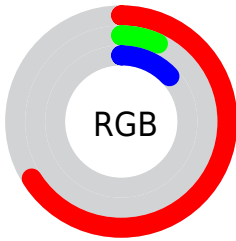
Format	Color
R _Y B	169, 19, 33
Decimal	11080481
CIE Lab	36.00, 56.83, 34.47
CIE LCh	36, 66.467, 31.234
Yxy	9.0082, 0.5989, 0.3199
Android (android.graphics.Color)	4289270561 (0xFFA91321)
YUV	65.4460, -15.9959, 90.8169
Hunter-Lab	30.0136, 47.7836, 16.4898

Details

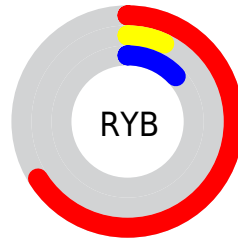
The CIELCh color **36, 66.467, 31.234** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **62, 38.840, 184.403**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 66.536, 31.304**, and **21, 53.064, 36.672** is the 20% darker color. If you saturate the color by 10%, you get **35, 72.229, 35.462**, and if you desaturate by 10%, it is **38, 59.739, 26.948**.

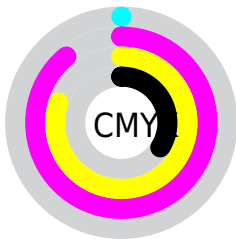
Distribution



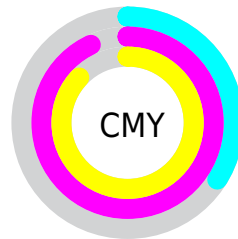
- Red (66%)
- Green (7%)
- Blue (13%)



- Red (66%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (89%)
- Yellow (80%)
- Black (34%)



- Cyan (34%)
- Magenta (93%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 66.467, 31.234 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, 66.467, 31.234 by changing the saturation by 10% instead.

 36, 66.467, 31.234

 36, 66.467, 31.234

 100, 66.467,
31.234

 26, 66.467, 31.234

 56, 66.467, 31.234

 16, 66.467, 31.234

 66, 66.467, 31.234

 6, 66.467, 31.234

 76, 66.467, 31.234

 0, 66.467, 31.234

 86, 66.467, 31.234

 96, 66.467, 31.234

 36, 66.467, 31.234

 36, 66.467, 31.234

 35, 72.229, 35.462

 38, 59.739, 26.948

35, 72.898, 35.883

40, 52.289, 23.247

43, 44.364, 20.245

47, 36.233, 17.871

51, 28.152, 16.003

56, 20.317, 14.521

60, 12.849, 13.326

65, 5.808, 12.320

70, 0.793, 192.204

Harmonies

Complementary

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



36, 66.467, 31.234



62, 38.840, 184.403

Rectangle

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



36, 66.467, 31.234



36, 66.467, 81.234



36, 66.467, 211.234



36, 66.467, 261.234

Sweetspot

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



36, 66.464, 31.236



72, 23.489, 14.355



38, 82.590, 324.577



36, 15.956, 14.787



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, 66.464, 31.236



46, 89.362, 36.666



44, 59.137, 55.285



33, 3.746, 12.370



30, 65.708, 35.374



1, 6.627, 12.753

Inverse Universe

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



36, 66.464, 31.236



46, 89.362, 36.666



44, 39.061, 266.609



33, 3.746, 12.370



30, 65.708, 35.374



1, 6.627, 12.753

Previews

White Background



This preview shows how the CIELCh color 36, 66.467, 31.234 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, 66.467, 31.234 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, 66.467, 31.234

Background



This preview shows how black text looks on a background with the CIELCh color 36, 66.467, 31.234.



This preview shows how white text looks on a background with the CIELCh color 36, 66.467, 31.234.

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, 66.467, 31.234

Protanopia

37, 22.771, 96.601

Deuteranopia

37, 38.564, 82.838



Tritanopia
36, 70.222, 37.292

Trichromacy



Original Color
36, 66.467, 31.234

Protanomaly
33, 33.264, 43.016

Deuteranomaly
34, 44.932, 50.234

Tritanomaly
36, 68.991, 35.488

Monochromacy



Original Color
36, 66.467, 31.234

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 26.568, 18.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 66.467, 31.234 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(169, 19, 33)` looks like.

```
.text, #text, p{  
    color:rgb(169, 19, 33)  
}
```

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(169, 19, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 19, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 66.467, 31.234 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(169, 19, 33) }
```

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

```
.border{ border-color:rgb(169, 19, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 19, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 19, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 19, 33);  
box-shadow:4px 4px 4px 4px rgb(169, 19,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 66.467, 31.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 19, 33) }
```

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

```
.background{ background-color: rgb(169, 19,  
33) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor