

Converting Colors

CIELCh(36, 103.867, 64.412)

Have a look what the booklet for
CIELCh(36, 103.867, 64.412)
contains.

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Color

CIELCh(36, 66.570, 46.818)

Conversions

Conversions Part 1

Format	Color
Hex	9E2C00
RGB	158, 44, 0
RGB Percent	62%, 17%, 0%
CMY	0.3818, 0.8287, 1.0000
CMYK	0.00, 0.72, 1.00, 0.38
HSL	17°, 100%, 31%
HSV	17°, 100%, 62%
XYZ	14.9155, 9.0082, 0.9457
YIQ	73.0700, 82.0680, 10.4840

Conversions

Conversions Part 2

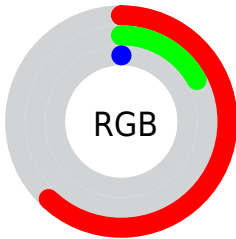
Format	Color
R_{YB}	158, 61, 0
Decimal	10365952
CIE _{Lab}	36.00, 45.56, 48.54
CIE _{LCh}	36, 66.570, 46.818
Yxy	9.0082, 0.5998, 0.3622
Android (android.graphics.Color)	4288556032 (0xFF9E2C00)
YUV	73.0700, -36.0235, 74.4836
Hunter-Lab	30.0136, 36.1831, 19.1413

Details

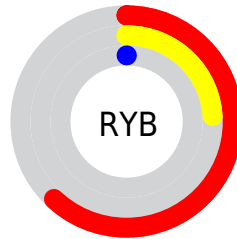
The CIELCh color **36, 66.570, 46.818** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **45, 32.888, 251.063**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 66.447, 46.738**, and **18, 48.773, 35.419** is the 20% darker color. If you saturate the color by 10%, you get **36, 66.500, 46.761**, and if you desaturate by 10%, it is **38, 60.053, 46.981**.

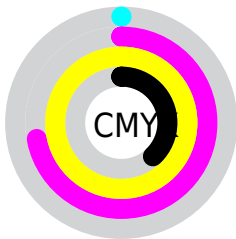
Distribution



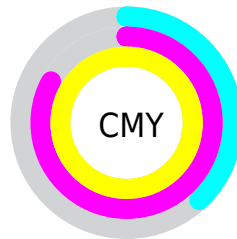
- Red (62%)
- Green (17%)
- Blue (0%)



- Red (62%)
- Yellow (24%)
- Blue (0%)



- Cyan (0%)
- Magenta (72%)
- Yellow (100%)
- Black (38%)



- Cyan (38%)
- Magenta (83%)
- Yellow (100%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 66.570, 46.818 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, 66.570, 46.818 by changing the saturation by 10% instead.

36, 66.570, 46.818

36, 66.570, 46.818

100, 66.570,
46.818

26, 66.570, 46.818

56, 66.570, 46.818

16, 66.570, 46.818

66, 66.570, 46.818

6, 66.570, 46.818

76, 66.570, 46.818

0, 66.570, 46.818

86, 66.570, 46.818

96, 66.570, 46.818

36, 66.570, 46.818

36, 66.570, 46.818

36, 66.500, 46.761

38, 60.053, 46.981

40, 52.779, 47.092

43, 45.008, 46.962

45, 37.320, 46.856

48, 29.971, 46.869

51, 23.066, 47.021

55, 16.634, 47.298

58, 10.666, 47.676

61, 5.133, 48.107

Harmonies

Complementary

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



36, 66.570, 46.818



45, 32.888, 251.063

Rectangle

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



36, 66.570, 46.818



36, 66.570, 96.818



36, 66.570, 226.818



36, 66.570, 276.818

Sweetspot

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



36, 66.500, 46.761



69, 20.568, 47.280



35, 66.014, 342.277



35, 14.216, 47.160



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 66.500, 46.761



47, 81.084, 46.163



53, 58.912, 85.176



32, 2.901, 48.139



33, 61.524, 46.913



2, 3.694, 46.969

Inverse Universe

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



45, 32.888, 251.063



57, 40.106, 252.084



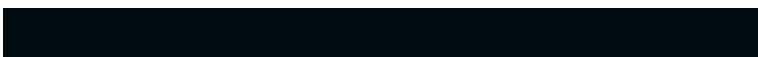
23, 77.732, 300.906



32, 2.758, 229.405



41, 30.500, 250.605



2, 3.664, 233.126

Previews

White Background



This preview shows how the CIELCh color 36, 66.570, 46.818 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, 66.570, 46.818 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, 66.570, 46.818

Background



This preview shows how black text looks on a background with the CIELCh color 36, 66.570, 46.818.



This preview shows how white text looks on a background with the CIELCh color 36, 66.570, 46.818.

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, 66.570, 46.818

Protanopia

36, 38.580, 95.397

Deuteranopia

36, 44.858, 85.291



Tritanopia
36, 55.639, 30.774

Trichromacy



Original Color
36, 66.570, 46.818

Protanomaly
35, 43.671, 68.521

Deuteranomaly
35, 49.607, 65.250

Tritanomaly
36, 59.744, 38.350

Monochromacy



Original Color
36, 66.570, 46.818

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 24.101, 46.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 66.570, 46.818 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(158, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 44, 0)  
}
```

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(158, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 44, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 66.570, 46.818 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(158, 44, 0) }
```

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

```
.border{ border-color:rgb(158, 44, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 66.570, 46.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 44, 0) }
```

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

```
.background{ background-color: rgb(158, 44,  
0) }
```

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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