

Converting Colors

CIELCh(36, 64.221, 41.688)

Have a look what the booklet for
CIELCh(36, 64.221, 41.688) contains.

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Color

CIELCh(36, 64.162, 41.605)

Conversions

Conversions Part 1

Format	Color
Hex	A02810
RGB	160, 40, 16
RGB Percent	63%, 16%, 6%
CMY	0.3730, 0.8436, 0.9376
CMYK	0.00, 0.75, 0.90, 0.37
HSL	10°, 82%, 34%
HSV	10°, 90%, 63%
XYZ	15.3209, 9.0082, 1.4178
YIQ	73.1440, 79.2240, 17.9760

Conversions

Conversions Part 2

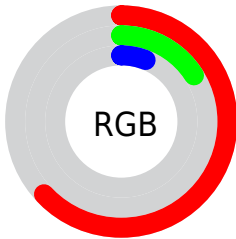
Format	Color
R _Y B	160, 45, 16
Decimal	10496016
CIE Lab	36.00, 47.98, 42.60
CIE LCh	36, 64.162, 41.605
Yxy	9.0082, 0.5951, 0.3499
Android (android.graphics.Color)	4288686096 (0xFFA02810)
YUV	73.1440, -28.1720, 76.1727
Hunter-Lab	30.0136, 38.5940, 18.2088

Details

The CIELCh color **36, 64.162, 41.605** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **52, 30.094, 225.017**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 64.394, 41.601**, and **19, 49.640, 35.697** is the 20% darker color. If you saturate the color by 10%, you get **34, 70.589, 42.717**, and if you desaturate by 10%, it is **38, 56.536, 40.365**.

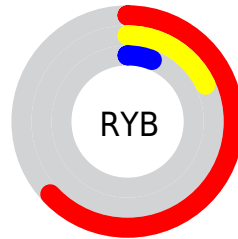
Distribution



Red (63%)

Green (16%)

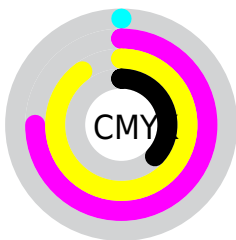
Blue (6%)



Red (63%)

Yellow (18%)

Blue (6%)

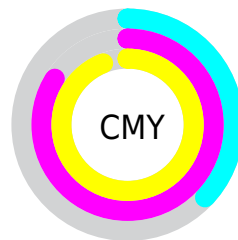


Cyan (0%)

Magenta (75%)

Yellow (90%)

Black (37%)



Cyan (37%)

Magenta (84%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 64.162, 41.605 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, 64.162, 41.605 by changing the saturation by 10% instead.

 36, 64.162, 41.605

 36, 64.162, 41.605

 100, 64.162,
41.605

 26, 64.162, 41.605

 56, 64.162, 41.605

 16, 64.162, 41.605

 66, 64.162, 41.605

 6, 64.162, 41.605

 76, 64.162, 41.605

 0, 64.162, 41.605

 86, 64.162, 41.605

 96, 64.162, 41.605

 36, 64.162, 41.605

 36, 64.162, 41.605

 34, 70.589, 42.717

 38, 56.536, 40.365

41, 48.314, 39.014

44, 40.118, 37.853

47, 32.234, 36.961

50, 24.797, 36.330

54, 17.863, 35.922

58, 11.438, 35.688

62, 5.504, 35.567

66, 0.027, 17.956

Harmonies

Complementary

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



36, 64.162, 41.605



52, 30.094, 225.017

Rectangle

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



36, 64.162, 41.605



36, 64.162, 91.605



36, 64.162, 221.605



36, 64.162, 271.605

Sweetspot

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



36, 64.160, 41.607



71, 19.763, 35.848



37, 71.141, 334.463



35, 13.464, 35.942



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



36, 64.160, 41.607



45, 86.787, 42.388



50, 55.081, 76.650



31, 3.058, 35.558



31, 64.423, 42.584



1, 3.890, 34.723

Inverse Universe

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



52, 30.094, 225.017



66, 37.493, 228.568



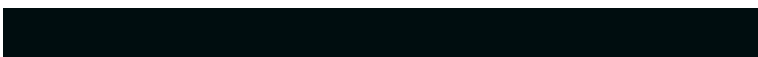
31, 59.197, 291.716



33, 2.887, 215.888



46, 28.273, 227.530



3, 3.799, 219.038

Previews

White Background



This preview shows how the CIELCh color 36, 64.162, 41.605 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, 64.162, 41.605 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, 64.162, 41.605

Background



This preview shows how black text looks on a background with the CIELCh color 36, 64.162, 41.605.



This preview shows how white text looks on a background with the CIELCh color 36, 64.162, 41.605.

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, 64.162, 41.605

Protanopia

36, 34.653, 96.005

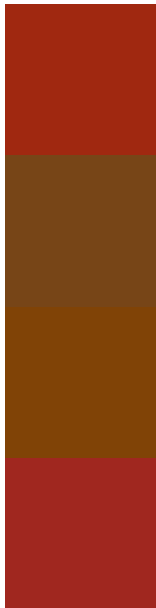
Deuteranopia

37, 45.039, 84.673



Tritanopia
36, 57.962, 31.576

Trichromacy



Original Color
36, 64.162, 41.605

Protanomaly
34, 39.480, 63.524

Deuteranomaly
35, 48.582, 62.555

Tritanomaly
36, 60.023, 35.724

Monochromacy



Original Color
36, 64.162, 41.605

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 22.841, 37.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 64.162, 41.605 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(160, 40, 16)` looks like.

```
.text, #text, p{  
    color:rgb(160, 40, 16)  
}
```

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(160, 40, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 40, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 64.162, 41.605 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(160, 40, 16) }
```

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

```
.border{ border-color:rgb(160, 40, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 40, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 40, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 40, 16);  
box-shadow:4px 4px 4px 4px rgb(160, 40,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 64.162, 41.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 40, 16) }
```

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

```
.background{ background-color: rgb(160, 40,  
16) }
```

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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