

Converting Colors

CIELCh(36, 45.932, 63.617)

Have a look what the booklet for
CIELCh(36, 45.932, 63.617) contains.

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Color

CIELCh(36, 46.006, 63.062)

Conversions

Conversions Part 1

Format	Color
Hex	80460E
RGB	128, 70, 14
RGB Percent	50%, 27%, 5%
CMY	0.4979, 0.7254, 0.9449
CMYK	0.00, 0.45, 0.89, 0.50
HSL	29°, 80%, 28%
HSV	29°, 89%, 50%
XYZ	11.1794, 9.0082, 1.5663
YIQ	80.9580, 52.5440, -5.1200

Conversions

Conversions Part 2

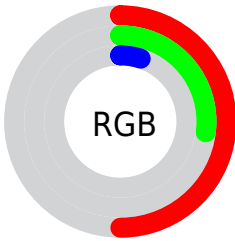
Format	Color
RYB	128, 124, 14
Decimal	8406542
CIELab	36.00, 20.84, 41.01
CIElCh	36, 46.006, 63.062
Yxy	9.0082, 0.5139, 0.4141
Android (android.graphics.Color)	4286596622 (0xFF80460E)
YUV	80.9580, -33.0103, 41.2558
Hunter-Lab	30.0136, 13.9637, 17.9154

Details

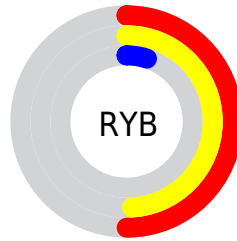
The CIELCh color **36, 46.006, 63.062** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **30, 36.852, 277.075**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 46.024, 62.870**, and **16, 32.348, 48.422** is the 20% darker color. If you saturate the color by 10%, you get **34, 50.509, 61.253**, and if you desaturate by 10%, it is **38, 41.012, 64.762**.

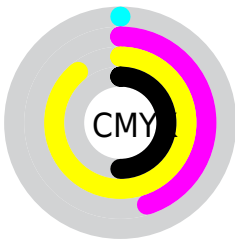
Distribution



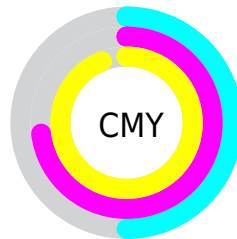
- Red (50%)
- Green (27%)
- Blue (5%)



- Red (50%)
- Yellow (49%)
- Blue (5%)



- Cyan (0%)
- Magenta (45%)
- Yellow (89%)
- Black (50%)



- Cyan (50%)
- Magenta (73%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 46.006, 63.062 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, 46.006, 63.062 by changing the saturation by 10% instead.

■ 36, 46.006, 63.062

■ 36, 46.006, 63.062

■ 100, 46.006,
63.062

■ 26, 46.006, 63.062

■ 56, 46.006, 63.062

■ 16, 46.006, 63.062

■ 66, 46.006, 63.062

■ 6, 46.006, 63.062

■ 76, 46.006, 63.062

■ 0, 46.006, 63.062

■ 86, 46.006, 63.062

■ 96, 46.006, 63.062

■ 36, 46.006, 63.062

■ 36, 46.006, 63.062

■ 34, 50.509, 61.253

■ 38, 41.012, 64.762

34, 51.009, 61.140

39, 35.485, 66.158

41, 29.829, 67.423

43, 24.258, 68.640

45, 18.872, 69.840

47, 13.710, 71.031

49, 8.779, 72.209

52, 4.071, 73.349

54, 0.431, 255.199

Harmonies

Complementary

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



36, 46.006, 63.062



30, 36.852, 277.075

Rectangle

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



36, 46.006, 63.062



36, 46.006, 113.062



36, 46.006, 243.062



36, 46.006, 293.062

Sweetspot

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



36, 46.005, 63.065



61, 15.693, 71.198



28, 49.419, 355.613



31, 10.728, 70.865



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



36, 46.005, 63.065



44, 61.866, 60.206



51, 54.846, 102.226



26, 2.531, 73.343



34, 50.850, 61.157



0, 0.000, 0.000

Inverse Universe

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



30, 36.852, 277.075



36, 50.989, 282.789



16, 73.202, 304.497



25, 2.478, 255.646



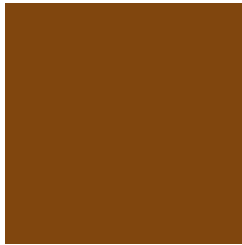
28, 41.168, 281.622



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 36, 46.006, 63.062 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, 46.006, 63.062 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, 46.006, 63.062

Background



This preview shows how black text looks on a background with the CIELCh color 36, 46.006, 63.062.



This preview shows how white text looks on a background with the CIELCh color 36, 46.006, 63.062.

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, 46.006, 63.062

Protanopia

36, 38.497, 96.151

Deuteranopia

36, 44.716, 84.498



Tritanopia
36, 30.081, 19.124

Trichromacy



Original Color
36, 46.006, 63.062

Protanomaly
36, 39.145, 82.066

Deuteranomaly
36, 44.320, 76.557

Tritanomaly
36, 33.364, 41.634

Monochromacy



Original Color
36, 46.006, 63.062

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 16.275, 69.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 46.006, 63.062 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(128, 70, 14)` looks like.

```
.text, #text, p{  
    color:rgb(128, 70, 14)  
}
```

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(128, 70, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 70, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 46.006, 63.062 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(128, 70, 14) }
```

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

```
.border{ border-color:rgb(128, 70, 14) }
```

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

Here you see how a box with a 4 pixel rgb(128, 70, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 70, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 70, 14);  
box-shadow:4px 4px 4px 4px rgb(128, 70,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 46.006, 63.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 70, 14) }
```

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

```
.background{ background-color: rgb(128, 70,  
14) }
```

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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