

Converting Colors

CIELCh(46, 48.522, 65.930)

Have a look what the booklet for
CIELCh(46, 48.522, 65.930) contains.

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Color

CIELCh(46, 48.446, 65.988)

Conversions

Conversions Part 1

Format	Color
Hex	9C5F20
RGB	156, 95, 32
RGB Percent	61%, 37%, 13%
CMY	0.3896, 0.6286, 0.8757
CMYK	0.00, 0.39, 0.80, 0.39
HSL	31°, 66%, 37%
HSV	31°, 80%, 61%
XYZ	17.9668, 15.2687, 3.3457
YIQ	106.0570, 56.5790, -6.6610

Conversions

Conversions Part 2

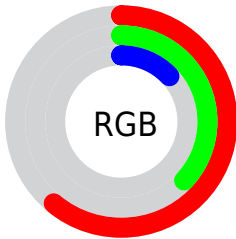
Format	Color
RYB	152, 156, 32
Decimal	10247968
CIELab	46.00, 19.71, 44.25
CIELCh	46, 48.446, 65.988
Yxy	15.2687, 0.4911, 0.4174
Android (android.graphics.Color)	4288438048 (0xFF9C5F20)
YUV	106.0570, -36.5101, 43.8000
Hunter-Lab	39.0751, 13.6932, 22.2760

Details

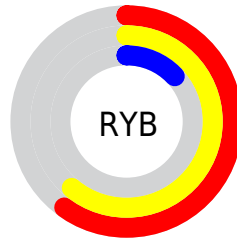
The CIELCh color **46, 48.446, 65.988** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **39, 39.990, 275.594**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 48.553, 66.102**, and **26, 41.991, 60.810** is the 20% darker color. If you saturate the color by 10%, you get **44, 53.933, 64.102**, and if you desaturate by 10%, it is **48, 42.142, 67.517**.

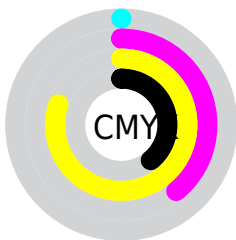
Distribution



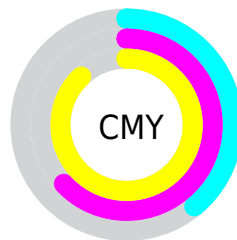
- Red (61%)
- Green (37%)
- Blue (13%)



- Red (60%)
- Yellow (61%)
- Blue (13%)



- Cyan (0%)
- Magenta (39%)
- Yellow (80%)
- Black (39%)



- Cyan (39%)
- Magenta (63%)
- Yellow (88%)
- Black (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 48.446, 65.988 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 46, 48.446, 65.988 by changing the saturation by 10% instead.

■ 46, 48.446, 65.988 ■ 46, 48.446, 65.988

■ 100, 48.446, 65.988 ■ 36, 48.446, 65.988

■ 66, 48.446, 65.988 ■ 26, 48.446, 65.988

■ 76, 48.446, 65.988 ■ 16, 48.446, 65.988

■ 86, 48.446, 65.988 ■ 6, 48.446, 65.988

■ 96, 48.446, 65.988 ■ 0, 48.446, 65.988

■ 46, 48.446, 65.988 ■ 46, 48.446, 65.988

■ 44, 53.933, 64.102 ■ 48, 42.142, 67.517

■ 42, 58.432, 61.886 ■ 50, 35.576, 68.877

42, 58.614, 61.819

52, 29.048, 70.170

55, 22.701, 71.435

57, 16.596, 72.683

59, 10.750, 73.914

62, 5.157, 75.106

64, 0.200, 257.862

67, 5.342, 257.585

Harmonies

Complementary

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



46, 48.446, 65.988



39, 39.990, 275.594

Rectangle

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



46, 48.446, 65.988



46, 48.446, 115.988



46, 48.446, 245.988



46, 48.446, 295.988

Sweetspot

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



46, 48.445, 65.991



74, 16.393, 73.323



36, 54.374, 354.673



38, 11.437, 72.911



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



46, 48.445, 65.991



55, 69.368, 62.062



62, 60.915, 103.485



32, 3.064, 75.149



39, 54.960, 62.122



2, 3.873, 73.454

Inverse Universe

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



39, 39.990, 275.594



44, 59.313, 283.440



23, 78.871, 303.483



32, 3.004, 257.557



30, 46.712, 283.874



2, 4.026, 258.983

Previews

White Background



This preview shows how the CIELCh color 46, 48.446, 65.988 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 × Fail

Black Background



This preview shows how the CIELCh color 46, 48.446, 65.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 48.446, 65.988

Background



This preview shows how black text looks on a background with the CIELCh color 46, 48.446, 65.988.



This preview shows how white text looks on a background with the CIELCh color 46, 48.446, 65.988.

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

46, 48.446, 65.988

Protanopia

46, 41.584, 95.624

Deuteranopia

46, 45.575, 82.355



Tritanopia
46, 30.831, 17.466

Trichromacy



Original Color
46, 48.446, 65.988

Protanomaly
46, 42.528, 83.339

Deuteranomaly
46, 46.189, 76.660

Tritanomaly
46, 34.165, 41.824

Monochromacy



Original Color
46, 48.446, 65.988

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 17.123, 72.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 48.446, 65.988 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(156, 95, 32)` looks like.

```
.text, #text, p{  
    color:rgb(156, 95, 32)  
}
```

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(156, 95, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 95, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 48.446, 65.988 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(156, 95, 32) }
```

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

```
.border{ border-color:rgb(156, 95, 32) }
```

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

Here you see how a box with a 4 pixel rgb(156, 95, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 95, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 95, 32);  
box-shadow:4px 4px 4px 4px rgb(156, 95,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 48.446, 65.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 95, 32) }
```

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

```
.background{ background-color: rgb(156, 95,  
32) }
```

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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