

Converting Colors

CIELCh(46, 38.054, 60.974)

Have a look what the booklet for
CIELCh(46, 38.054, 60.974) contains.

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Color

CIELCh(46, 38.325, 61.114)

Conversions

Conversions Part 1

Format	Color
Hex	986035
RGB	152, 96, 53
RGB Percent	60%, 38%, 21%
CMY	0.4044, 0.6239, 0.7925
CMYK	0.00, 0.37, 0.65, 0.40
HSL	26°, 48%, 40%
HSV	26°, 65%, 60%
XYZ	17.7423, 15.2687, 5.3690
YIQ	107.8420, 47.1790, -1.5010

Conversions

Conversions Part 2

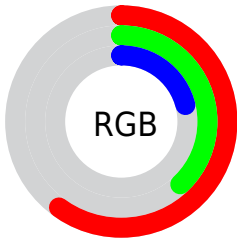
Format	Color
R_{YB}	152, 129, 53
Decimal	9986101
CIE _{Lab}	46.00, 18.51, 33.56
CIE _{LCh}	46, 38.325, 61.114
Yxy	15.2687, 0.4623, 0.3978
Android (android.graphics.Color)	4288176181 (0xFF986035)
YUV	107.8420, -27.0371, 38.7266
Hunter-Lab	39.0751, 12.6675, 19.2061

Details

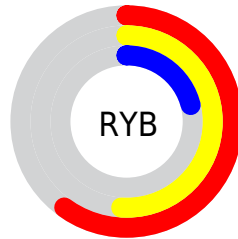
The CIELCh color **46, 38.325, 61.114** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **44, 29.186, 261.331**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 38.195, 61.519**, and **26, 38.310, 60.788** is the 20% darker color. If you saturate the color by 10%, you get **44, 45.055, 60.020**, and if you desaturate by 10%, it is **48, 31.643, 62.145**.

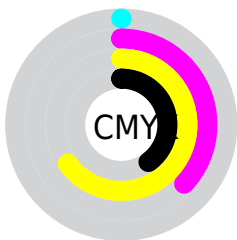
Distribution



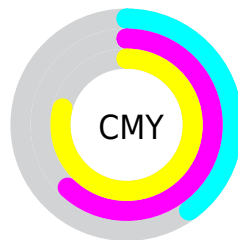
- Red (60%)
- Green (38%)
- Blue (21%)



- Red (60%)
- Yellow (51%)
- Blue (21%)



- Cyan (0%)
- Magenta (37%)
- Yellow (65%)
- Black (40%)



- Cyan (40%)
- Magenta (62%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 38.325, 61.114 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, 38.325, 61.114 by changing the saturation by 10% instead.

■ 46, 38.325, 61.114

■ 46, 38.325, 61.114

■ 100, 38.325,
61.114

■ 36, 38.325, 61.114

■ 66, 38.325, 61.114

■ 26, 38.325, 61.114

■ 76, 38.325, 61.114

■ 16, 38.325, 61.114

■ 86, 38.325, 61.114

■ 6, 38.325, 61.114

■ 96, 38.325, 61.114

■ 0, 38.325, 61.114

■ 46, 38.325, 61.114

■ 46, 38.325, 61.114

■ 44, 45.055, 60.020

■ 48, 31.643, 62.145

■ 42, 51.443, 58.694

■ 51, 25.197, 63.168

40, 56.827, 56.864

53, 19.060, 64.208

39, 59.447, 56.138

56, 13.251, 65.264

59, 7.761, 66.323

61, 2.569, 67.314

64, 2.352, 248.666

67, 7.031, 249.627

70, 11.495,
250.644

Harmonies

Complementary

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



46, 38.325, 61.114



44, 29.186, 261.331

Rectangle

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



46, 38.325, 61.114



46, 38.325, 111.114



46, 38.325, 241.114



46, 38.325, 291.114

Sweetspot

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



46, 38.324, 61.118



73, 12.806, 65.771



38, 48.272, 347.073



38, 8.871, 65.496



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 38.324, 61.118



55, 57.937, 59.484



59, 49.074, 100.953



31, 2.861, 66.934



36, 55.978, 56.425



2, 3.018, 67.137

Inverse Universe

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



44, 29.186, 261.331



52, 41.906, 266.814



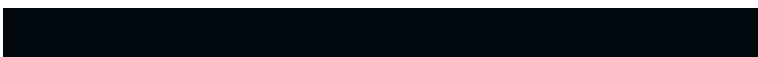
30, 58.466, 298.129



31, 2.776, 249.149



33, 39.724, 275.649



2, 3.044, 249.118

Previews

White Background



This preview shows how the CIELCh color 46, 38.325, 61.114 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, 38.325, 61.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

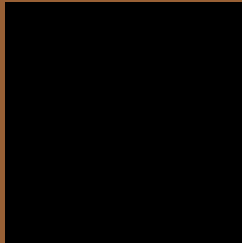
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 38.325, 61.114

Background



This preview shows how black text looks on a background with the CIELCh color 46, 38.325, 61.114.



This preview shows how white text looks on a background with the CIELCh color 46, 38.325, 61.114.

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, 38.325, 61.114

Protanopia

46, 30.642, 95.192

Deuteranopia

46, 34.617, 79.962



Tritanopia
46, 28.106, 16.352

Trichromacy



Original Color
46, 38.325, 61.114

Protanomaly
46, 31.408, 80.706

Deuteranomaly
46, 35.253, 72.488

Tritanomaly
46, 29.334, 36.570

Monochromacy



Original Color
46, 38.325, 61.114

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 13.110, 66.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 38.325, 61.114 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(152, 96, 53)` looks like.

```
.text, #text, p{  
    color:rgb(152, 96, 53)  
}
```

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(152, 96, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 96, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 38.325, 61.114 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(152, 96, 53) }
```

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

```
.border{ border-color:rgb(152, 96, 53) }
```

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

Here you see how a box with a 4 pixel rgb(152, 96, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 96, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 96, 53);  
box-shadow:4px 4px 4px 4px rgb(152, 96,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 38.325, 61.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 96, 53) }
```

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

```
.background{ background-color: rgb(152, 96,  
53) }
```

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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