

Converting Colors

CIELCh(46, 40.810, 66.377)

Have a look what the booklet for
CIELCh(46, 40.810, 66.377) contains.

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Color

CIELCh(46, 40.639, 65.908)

Conversions

Conversions Part 1

Format	Color
Hex	96612E
RGB	150, 97, 46
RGB Percent	59%, 38%, 18%
CMY	0.4112, 0.6191, 0.8191
CMYK	0.00, 0.35, 0.69, 0.41
HSL	29°, 53%, 38%
HSV	29°, 69%, 59%
XYZ	17.3862, 15.2687, 4.6280
YIQ	107.0330, 47.9590, -4.6250

Conversions

Conversions Part 2

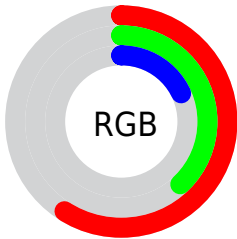
Format	Color
R _Y B	150, 146, 46
Decimal	9855278
CIE Lab	46.00, 16.59, 37.10
CIE LCh	46, 40.639, 65.908
Yxy	15.2687, 0.4663, 0.4095
Android (android.graphics.Color)	4288045358 (0xFF96612E)
YUV	107.0330, -30.0893, 37.6821
Hunter-Lab	39.0751, 11.0408, 20.3304

Details

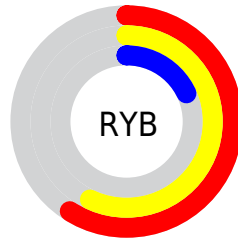
The CIELCh color **46, 40.639, 65.908** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **41, 33.067, 269.560**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 40.851, 65.950**, and **26, 39.830, 64.889** is the 20% darker color. If you saturate the color by 10%, you get **44, 46.891, 64.470**, and if you desaturate by 10%, it is **48, 34.194, 67.203**.

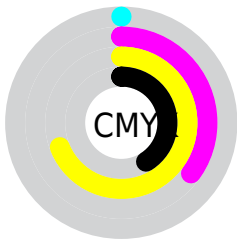
Distribution



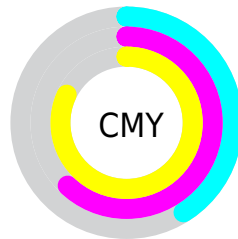
- Red (59%)
- Green (38%)
- Blue (18%)



- Red (59%)
- Yellow (57%)
- Blue (18%)



- Cyan (0%)
- Magenta (35%)
- Yellow (69%)
- Black (41%)





















- Cyan (41%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 40.639, 65.908 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, 40.639, 65.908 by changing the saturation by 10% instead.

 46, 40.639, 65.908	 46, 40.639, 65.908
 100, 40.639, 65.908	 36, 40.639, 65.908
 66, 40.639, 65.908	 26, 40.639, 65.908
 76, 40.639, 65.908	 16, 40.639, 65.908
 86, 40.639, 65.908	 6, 40.639, 65.908
 96, 40.639, 65.908	 0, 40.639, 65.908

 46, 40.639, 65.908	 46, 40.639, 65.908
 44, 46.891, 64.470	 48, 34.194, 67.203
 42, 52.437, 62.682	 50, 27.829, 68.438

■ 40, 57.085, 60.586

■ 53, 21.671, 69.654

■ 40, 57.454, 60.470

■ 55, 15.771, 70.862

■ 57, 10.139, 72.057

■ 60, 4.766, 73.216

■ 62, 0.367, 255.281

■ 65, 5.281, 255.656

■ 67, 10.000,
256.742

Harmonies

Complementary

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



46, 40.639, 65.908



41, 33.067, 269.560

Rectangle

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



46, 40.639, 65.908



46, 40.639, 115.908



46, 40.639, 245.908



46, 40.639, 295.908

Sweetspot

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



46, 40.638, 65.912



73, 13.812, 71.802



37, 48.810, 351.037



38, 9.480, 71.500



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, 40.638, 65.912



56, 61.008, 63.562



60, 53.107, 103.257



30, 2.864, 73.226



37, 53.858, 60.787



2, 2.463, 74.362

Inverse Universe

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



41, 33.067, 269.560



48, 48.708, 275.671



26, 65.414, 300.782



30, 2.802, 255.583



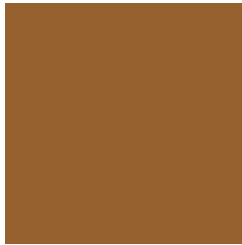
30, 43.764, 281.909



1, 2.464, 254.376

Previews

White Background



This preview shows how the CIELCh color 46, 40.639, 65.908 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, 40.639, 65.908 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, 40.639, 65.908

Background



This preview shows how black text looks on a background with the CIELCh color 46, 40.639, 65.908.



This preview shows how white text looks on a background with the CIELCh color 46, 40.639, 65.908.

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, 40.639, 65.908

Protanopia

46, 34.704, 96.600

Deuteranopia

46, 38.234, 80.984



Tritanopia
46, 27.207, 14.755

Trichromacy



Original Color
46, 40.639, 65.908

Protanomaly
46, 35.175, 83.615

Deuteranomaly
46, 38.674, 75.729

Tritanomaly
46, 28.961, 38.973

Monochromacy



Original Color
46, 40.639, 65.908

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 14.069, 68.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 40.639, 65.908 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(150, 97, 46)` looks like.

```
.text, #text, p{  
    color:rgb(150, 97, 46)  
}
```

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(150, 97, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 97, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 40.639, 65.908 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(150, 97, 46) }
```

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

```
.border{ border-color:rgb(150, 97, 46) }
```

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

Here you see how a box with a 4 pixel rgb(150, 97, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 97, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 97, 46);  
box-shadow:4px 4px 4px 4px rgb(150, 97,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 40.639, 65.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 97, 46) }
```

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

```
.background{ background-color: rgb(150, 97,  
46) }
```

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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