

Converting Colors

CIELCh(46, 39.312, 44.533)

Have a look what the booklet for
CIELCh(46, 39.312, 44.533) contains.

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Color

CIELCh(46, 39.396, 44.753)

Conversions

Conversions Part 1

Format	Color
Hex	A35940
RGB	163, 89, 64
RGB Percent	64%, 35%, 25%
CMY	0.3613, 0.6514, 0.7494
CMYK	0.00, 0.45, 0.61, 0.36
HSL	15°, 44%, 44%
HSV	15°, 61%, 64%
XYZ	19.5640, 15.2687, 6.7512
YIQ	108.2760, 52.1290, 7.9130

Conversions

Conversions Part 2

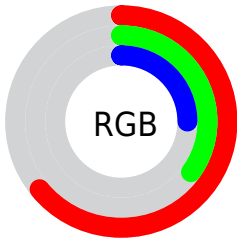
Format	Color
RYB	163, 97, 64
Decimal	10705216
CIELab	46.00, 27.98, 27.74
CIELCh	46, 39.396, 44.753
Yxy	15.2687, 0.4705, 0.3672
Android (android.graphics.Color)	4288895296 (0xFFA35940)
YUV	108.2760, -21.8281, 47.9929
Hunter-Lab	39.0751, 20.9894, 17.1087

Details

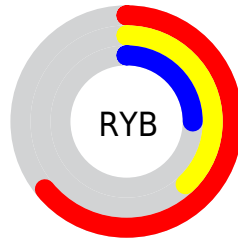
The CIELCh color **46, 39.396, 44.753** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **54, 25.303, 232.828**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 39.347, 44.960**, and **26, 39.600, 44.641** is the 20% darker color. If you saturate the color by 10%, you get **43, 47.422, 45.098**, and if you desaturate by 10%, it is **49, 31.706, 44.561**.

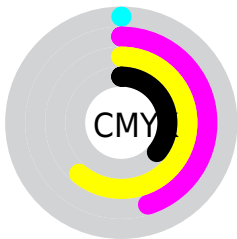
Distribution



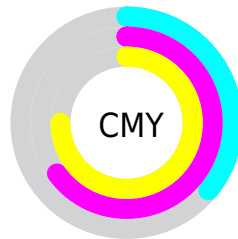
- Red (64%)
- Green (35%)
- Blue (25%)



- Red (64%)
- Yellow (38%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (61%)
- Black (36%)



- Cyan (36%)
- Magenta (65%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 39.396, 44.753 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, 39.396, 44.753 by changing the saturation by 10% instead.

 46, 39.396, 44.753

 46, 39.396, 44.753

 100, 39.396,
44.753

 36, 39.396, 44.753

 66, 39.396, 44.753

 26, 39.396, 44.753

 76, 39.396, 44.753

 16, 39.396, 44.753

 86, 39.396, 44.753

 6, 39.396, 44.753

 96, 39.396, 44.753

 0, 39.396, 44.753

 46, 39.396, 44.753

 46, 39.396, 44.753

 43, 47.422, 45.098

 49, 31.706, 44.561

 41, 55.500, 45.481

 52, 24.479, 44.530

38, 62.977, 45.608

56, 17.748, 44.647

37, 69.037, 45.632

59, 11.511, 44.884

63, 5.738, 45.193

67, 0.391, 44.541

70, 4.571, 226.271

74, 9.193, 226.736

78, 13.514,
227.257

Harmonies

Complementary

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



46, 39.396, 44.753



54, 25.303, 232.828

Rectangle

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



46, 39.396, 44.753



46, 39.396, 94.753



46, 39.396, 224.753



46, 39.396, 274.753

Sweetspot

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



46, 39.395, 44.757



77, 12.230, 44.955



43, 54.030, 336.773



40, 8.661, 44.874



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



46, 39.395, 44.757



55, 61.169, 45.240



58, 42.422, 89.672



33, 3.002, 45.239



33, 63.130, 45.785



2, 4.566, 42.859

Inverse Universe

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



54, 25.303, 232.828



66, 34.821, 236.434



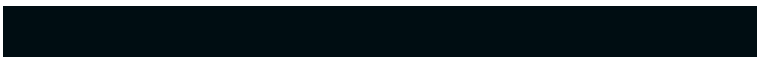
39, 45.392, 288.450



33, 2.847, 226.308



43, 30.024, 245.793



3, 4.477, 232.374

Previews

White Background



This preview shows how the CIELCh color 46, 39.396, 44.753 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, 39.396, 44.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

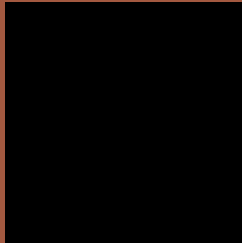
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 39.396, 44.753

Background



This preview shows how black text looks on a background with the CIELCh color 46, 39.396, 44.753.



This preview shows how white text looks on a background with the CIELCh color 46, 39.396, 44.753.

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, 39.396, 44.753

Protanopia

46, 22.190, 95.133

Deuteranopia

46, 29.350, 77.325



Tritanopia
46, 35.423, 19.167

Trichromacy



Original Color
46, 39.396, 44.753

Protanomaly
46, 25.330, 69.510

Deuteranomaly
46, 31.420, 63.657

Tritanomaly
46, 36.007, 28.971

Monochromacy



Original Color
46, 39.396, 44.753

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 13.165, 44.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 39.396, 44.753 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(163, 89, 64)` looks like.

```
.text, #text, p{  
    color:rgb(163, 89, 64)  
}
```

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(163, 89, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 89, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 39.396, 44.753 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(163, 89, 64) }
```

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

```
.border{ border-color:rgb(163, 89, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 89, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 89, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 89, 64);  
box-shadow:4px 4px 4px 4px rgb(163, 89,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 39.396, 44.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 89, 64) }
```

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

```
.background{ background-color: rgb(163, 89,  
64) }
```

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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