

Converting Colors

CIELCh(46, 44.903, 63.102)

Have a look what the booklet for
CIELCh(46, 44.903, 63.102) contains.

CIELCh(46, 44.921, 62.565)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 44.921, 62.565)

Conversions

Conversions Part 1

Format	Color
Hex	9C5E29
RGB	156, 94, 41
RGB Percent	61%, 37%, 16%
CMY	0.3877, 0.6309, 0.8388
CMYK	0.00, 0.40, 0.74, 0.39
HSL	28°, 58%, 39%
HSV	28°, 74%, 61%
XYZ	18.1521, 15.2687, 4.0986
YIQ	106.4960, 53.9650, -3.3390

Conversions

Conversions Part 2

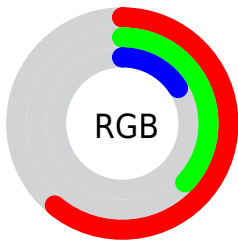
Format	Color
R_{YB}	156, 139, 41
Decimal	10247721
CIE _{Lab}	46.00, 20.70, 39.87
CIE _{LCh}	46, 44.921, 62.565
Yxy	15.2687, 0.4838, 0.4070
Android (android.graphics.Color)	4288437801 (0xFF9C5E29)
YUV	106.4960, -32.2895, 43.4150
Hunter-Lab	39.0751, 14.5395, 21.1337

Details

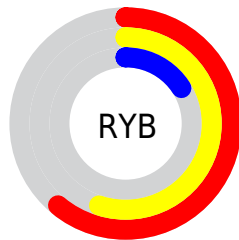
The CIELCh color **46, 44.921, 62.565** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **42, 34.527, 267.834**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 44.848, 62.990**, and **26, 42.094, 59.966** is the 20% darker color. If you saturate the color by 10%, you get **44, 51.339, 61.131**, and if you desaturate by 10%, it is **48, 38.162, 63.791**.

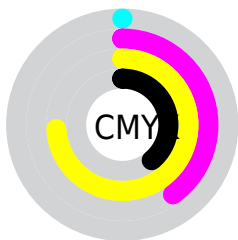
Distribution



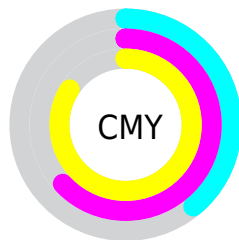
- Red (61%)
- Green (37%)
- Blue (16%)



- Red (61%)
- Yellow (55%)
- Blue (16%)



- Cyan (0%)
- Magenta (40%)
- Yellow (74%)
- Black (39%)



- Cyan (39%)
- Magenta (63%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 44.921, 62.565 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, 44.921, 62.565 by changing the saturation by 10% instead.

■ 46, 44.921, 62.565 ■ 46, 44.921, 62.565

■ 100, 44.921, 62.565 ■ 36, 44.921, 62.565

■ 66, 44.921, 62.565 ■ 26, 44.921, 62.565

■ 76, 44.921, 62.565 ■ 16, 44.921, 62.565

■ 86, 44.921, 62.565 ■ 6, 44.921, 62.565

■ 96, 44.921, 62.565 ■ 0, 44.921, 62.565

■ 46, 44.921, 62.565 ■ 46, 44.921, 62.565

■ 44, 51.339, 61.131 ■ 48, 38.162, 63.791

■ 42, 56.740, 59.201 ■ 51, 31.442, 64.937

41, 59.935, 58.012

53, 24.937, 66.068

56, 18.721, 67.202

58, 12.813, 68.339

61, 7.207, 69.465

63, 1.882, 70.473

66, 3.187, 251.875

69, 8.028, 252.911

Harmonies

Complementary

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



46, 44.921, 62.565



42, 34.527, 267.834

Rectangle

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



46, 44.921, 62.565



46, 44.921, 112.565



46, 44.921, 242.565



46, 44.921, 292.565

Sweetspot

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



46, 44.920, 62.568



75, 14.761, 68.479



37, 53.256, 349.716



38, 9.960, 68.198



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, 44.920, 62.568



56, 66.810, 60.044



61, 55.879, 101.162



32, 2.977, 69.946



37, 56.041, 58.329



2, 3.772, 68.309

Inverse Universe

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



42, 34.527, 267.834



50, 50.315, 274.669



26, 69.636, 300.764



32, 2.899, 252.256



32, 42.500, 278.879



2, 3.891, 254.186

Previews

White Background



This preview shows how the CIELCh color 46, 44.921, 62.565 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, 44.921, 62.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

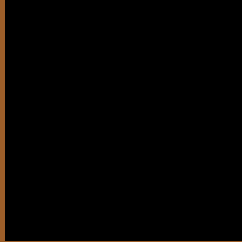
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 44.921, 62.565

Background



This preview shows how black text looks on a background with the CIELCh color 46, 44.921, 62.565.



This preview shows how white text looks on a background with the CIELCh color 46, 44.921, 62.565.

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, 44.921, 62.565

Protanopia

46, 36.801, 96.009

Deuteranopia

46, 41.211, 81.505



Tritanopia
46, 31.268, 16.610

Trichromacy



Original Color
46, 44.921, 62.565

Protanomaly
46, 37.792, 82.303

Deuteranomaly
46, 41.975, 73.790

Tritanomaly
46, 33.516, 38.311

Monochromacy



Original Color
46, 44.921, 62.565

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 15.503, 66.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 44.921, 62.565 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, 94, 41)` looks like.

```
.text, #text, p{  
    color:rgb(156, 94, 41)  
}
```

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, 94, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 94, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 44.921, 62.565 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, 94, 41) }
```

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

```
.border{ border-color:rgb(156, 94, 41) }
```

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

Here you see how a box with a 4 pixel rgb(156, 94, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 94, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 94, 41);  
box-shadow:4px 4px 4px 4px rgb(156, 94,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 44.921, 62.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 94, 41) }
```

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

```
.background{ background-color: rgb(156, 94,  
41) }
```

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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