

Converting Colors

CIELCh(45, 41.913, 40.261)

Have a look what the booklet for
CIELCh(45, 41.913, 40.261) contains.

CIELCh(45, 41.913, 40.261)	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(45, 41.913, 40.261)

Conversions

Conversions Part 1

Format	Color
Hex	A5533F
RGB	165, 83, 63
RGB Percent	65%, 33%, 25%
CMY	0.3530, 0.6745, 0.7530
CMYK	0.00, 0.50, 0.62, 0.35
HSL	12°, 45%, 45%
HSV	12°, 62%, 65%
XYZ	19.5038, 14.5417, 6.4800
YIQ	105.2380, 55.2920, 11.1640

Conversions

Conversions Part 2

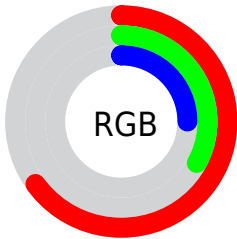
Format	Color
R _Y B	165, 88, 63
Decimal	10834751
CIE Lab	45.00, 31.98, 27.09
CIE LCh	45, 41.913, 40.261
Yxy	14.5417, 0.4813, 0.3588
Android (android.graphics.Color)	4289024831 (0xFFA5533F)
YUV	105.2380, -20.8233, 52.4113
Hunter-Lab	38.1336, 24.5619, 16.6184

Details

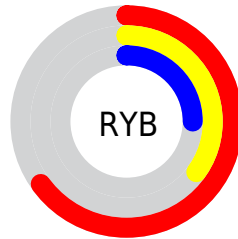
The CIELCh color **45, 41.913, 40.261** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **56, 25.907, 223.984**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 42.041, 40.193**, and **25, 41.766, 39.733** is the 20% darker color. If you saturate the color by 10%, you get **42, 50.267, 41.175**, and if you desaturate by 10%, it is **48, 33.862, 39.573**.

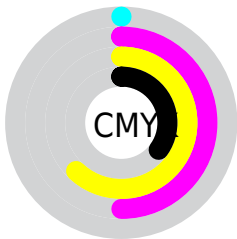
Distribution



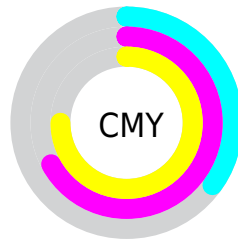
- Red (65%)
- Green (33%)
- Blue (25%)



- Red (65%)
- Yellow (35%)
- Blue (25%)



- Cyan (0%)
- Magenta (50%)
- Yellow (62%)
- Black (35%)



- Cyan (35%)
- Magenta (67%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 41.913, 40.261 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 45, 41.913, 40.261 by changing the saturation by 10% instead.

■ 45, 41.913, 40.261

■ 45, 41.913, 40.261

■ 100, 41.913,
40.261

■ 35, 41.913, 40.261

■ 65, 41.913, 40.261

■ 25, 41.913, 40.261

■ 75, 41.913, 40.261

■ 15, 41.913, 40.261

■ 85, 41.913, 40.261

■ 5, 41.913, 40.261

■ 95, 41.913, 40.261

■ 0, 41.913, 40.261

■ 45, 41.913, 40.261

■ 45, 41.913, 40.261

■ 42, 50.267, 41.175

■ 48, 33.862, 39.573

■ 40, 58.594, 42.191

■ 52, 26.268, 39.112

37, 66.154, 42.962

55, 19.187, 38.853

36, 71.537, 43.579

59, 12.627, 38.757

63, 6.567, 38.773

67, 0.971, 38.510

71, 4.206, 219.336

75, 9.007, 219.559

79, 13.476,
219.863

Harmonies

Complementary

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



45, 41.913, 40.261



56, 25.907, 223.984

Rectangle

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



45, 41.913, 40.261



45, 41.913, 90.261



45, 41.913, 220.261



45, 41.913, 270.261

Sweetspot

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



45, 41.911, 40.264



76, 13.461, 38.753



44, 57.823, 333.967



39, 9.351, 38.758



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 41.911, 40.264



53, 64.659, 41.533



57, 41.710, 84.305



32, 3.083, 38.782



32, 64.663, 43.578



2, 4.691, 36.914

Inverse Universe

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



56, 25.907, 223.984



69, 35.067, 226.770



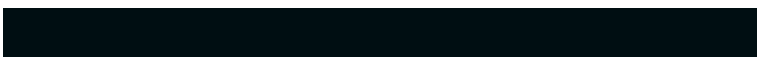
41, 42.531, 284.505



34, 2.913, 219.366



45, 28.805, 233.917



3, 4.540, 224.660

Previews

White Background



This preview shows how the CIELCh color 45, 41.913, 40.261 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 45, 41.913, 40.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

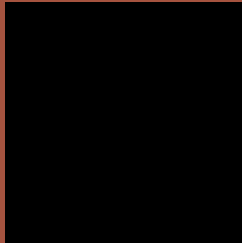
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 41.913, 40.261

Background



This preview shows how black text looks on a background with the CIELCh color 45, 41.913, 40.261.



This preview shows how white text looks on a background with the CIELCh color 45, 41.913, 40.261.

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

45, 41.913, 40.261

Protanopia

45, 21.026, 95.866

Deuteranopia

45, 29.198, 78.021



Tritanopia
45, 38.347, 20.273

Trichromacy



Original Color
45, 41.913, 40.261

Protanomaly
45, 24.655, 64.088

Deuteranomaly
45, 31.913, 60.627

Tritanomaly
45, 39.158, 27.674

Monochromacy



Original Color
45, 41.913, 40.261

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 14.048, 38.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 41.913, 40.261 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(165, 83, 63)` looks like.

```
.text, #text, p{  
    color:rgb(165, 83, 63)  
}
```

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(165, 83, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 83, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 41.913, 40.261 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(165, 83, 63) }
```

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

```
.border{ border-color:rgb(165, 83, 63) }
```

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

Here you see how a box with a 4 pixel rgb(165, 83, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 83, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 83, 63);  
box-shadow:4px 4px 4px 4px rgb(165, 83,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 41.913, 40.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 83, 63) }
```

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

```
.background{ background-color: rgb(165, 83,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor