

Converting Colors

CIELCh(45, 40.070, 39.924)

Have a look what the booklet for
CIELCh(45, 40.070, 39.924) contains.

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Color

CIELCh(45, 40.163, 39.950)

Conversions

Conversions Part 1

Format	Color
Hex	A35441
RGB	163, 84, 65
RGB Percent	64%, 33%, 25%
CMY	0.3603, 0.6701, 0.7447
CMYK	0.00, 0.48, 0.60, 0.36
HSL	12°, 43%, 45%
HSV	12°, 60%, 64%
XYZ	19.2677, 14.5417, 6.8085
YIQ	105.4550, 53.1830, 10.8390

Conversions

Conversions Part 2

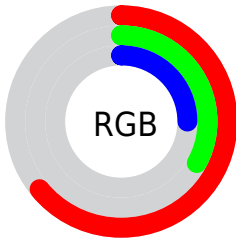
Format	Color
R _Y B	163, 89, 65
Decimal	10703937
CIE Lab	45.00, 30.79, 25.79
CIE LCh	45, 40.163, 39.950
Yxy	14.5417, 0.4744, 0.3580
Android (android.graphics.Color)	4288894017 (0xFFA35441)
YUV	105.4550, -19.9443, 50.4670
Hunter-Lab	38.1336, 23.4566, 16.1077

Details

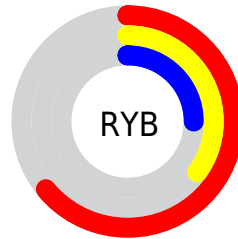
The CIELCh color **45, 40.163, 39.950** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **56, 25.232, 223.340**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 40.021, 40.127**, and **25, 40.457, 40.430** is the 20% darker color. If you saturate the color by 10%, you get **42, 48.410, 40.849**, and if you desaturate by 10%, it is **48, 32.250, 39.286**.

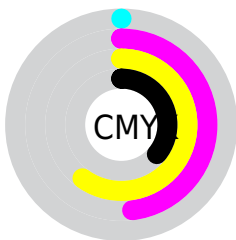
Distribution



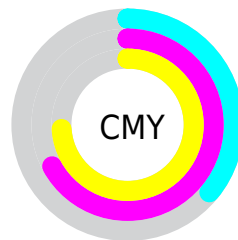
- Red (64%)
- Green (33%)
- Blue (25%)



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



- Cyan (0%)
- Magenta (48%)
- Yellow (60%)
- Black (36%)



- Cyan (36%)
- Magenta (67%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 40.163, 39.950 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, 40.163, 39.950 by changing the saturation by 10% instead.

■ 45, 40.163, 39.950

■ 45, 40.163, 39.950

■ 100, 40.163,
39.950

■ 35, 40.163, 39.950

■ 65, 40.163, 39.950

■ 25, 40.163, 39.950

■ 75, 40.163, 39.950

■ 15, 40.163, 39.950

■ 85, 40.163, 39.950

■ 5, 40.163, 39.950

■ 95, 40.163, 39.950

■ 0, 40.163, 39.950

■ 45, 40.163, 39.950

■ 45, 40.163, 39.950

■ 42, 48.410, 40.849

■ 48, 32.250, 39.286

■ 39, 56.710, 41.888

■ 52, 24.804, 38.848

37, 64.424, 42.772

55, 17.871, 38.608

36, 70.973, 43.523

59, 11.451, 38.524

63, 5.522, 38.539

67, 0.046, 28.530

71, 5.022, 219.102

75, 9.725, 219.338

79, 14.105,
219.642

Harmonies

Complementary

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



45, 40.163, 39.950



56, 25.232, 223.340

Rectangle

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



45, 40.163, 39.950



45, 40.163, 89.950



45, 40.163, 219.950



45, 40.163, 269.950

Sweetspot

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



45, 40.161, 39.954



76, 12.592, 38.521



44, 56.039, 333.841



39, 8.921, 38.527



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, 40.161, 39.954



53, 62.038, 41.179



57, 40.196, 84.564



32, 3.087, 38.540



32, 64.718, 43.503



2, 4.697, 36.691

Inverse Universe

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



56, 25.232, 223.340



69, 34.301, 225.901



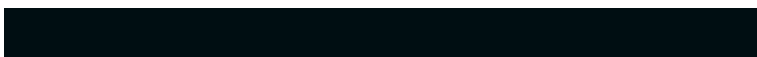
41, 40.877, 283.987



34, 2.917, 219.106



45, 28.782, 233.449



3, 4.544, 224.360

Previews

White Background



This preview shows how the CIELCh color 45, 40.163, 39.950 looks on a white background.

Color Contrast Check

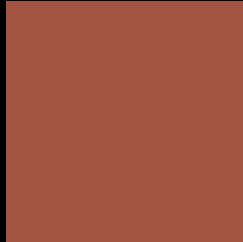
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 40.163, 39.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

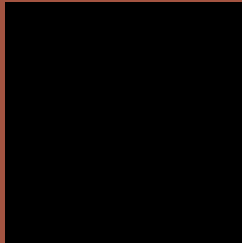
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 40.163, 39.950

Background



This preview shows how black text looks on a background with the CIELCh color 45, 40.163, 39.950.



This preview shows how white text looks on a background with the CIELCh color 45, 40.163, 39.950.

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, 40.163, 39.950

Protanopia

45, 19.891, 95.434

Deuteranopia

45, 27.408, 77.575



Tritanopia
45, 36.977, 19.813

Trichromacy



Original Color
45, 40.163, 39.950

Protanomaly
45, 23.448, 64.857

Deuteranomaly
45, 30.228, 59.202

Tritanomaly
45, 37.734, 27.521

Monochromacy



Original Color
45, 40.163, 39.950

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 13.581, 38.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 40.163, 39.950 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, 84, 65)` looks like.

```
.text, #text, p{  
    color:rgb(163, 84, 65)  
}
```

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, 84, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 84, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 40.163, 39.950 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, 84, 65) }
```

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

```
.border{ border-color:rgb(163, 84, 65) }
```

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

Here you see how a box with a 4 pixel rgb(163, 84, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 84, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 84, 65);  
box-shadow:4px 4px 4px 4px rgb(163, 84,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 40.163, 39.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 84, 65) }
```

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

```
.background{ background-color: rgb(163, 84,  
65) }
```

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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