

Converting Colors

CIELCh(45, 37.730, 56.385)

Have a look what the booklet for
CIELCh(45, 37.730, 56.385) contains.

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Color

CIELCh(45, 37.692, 56.239)

Conversions

Conversions Part 1

Format	Color
Hex	985C37
RGB	152, 92, 55
RGB Percent	60%, 36%, 22%
CMY	0.4049, 0.6401, 0.7851
CMYK	0.00, 0.40, 0.64, 0.40
HSL	23°, 47%, 40%
HSV	23°, 64%, 60%
XYZ	17.3949, 14.5417, 5.4788
YIQ	105.7220, 47.6370, 1.2130

Conversions

Conversions Part 2

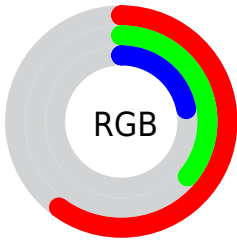
Format	Color
R_{YB}	152, 115, 55
Decimal	9985079
CIE _{Lab}	45.00, 20.95, 31.34
CIE _{LCh}	45, 37.692, 56.239
Yxy	14.5417, 0.4649, 0.3887
Android (android.graphics.Color)	4288175159 (0xFF985C37)
YUV	105.7220, -25.0059, 40.5858
Hunter-Lab	38.1336, 14.6902, 18.1751

Details

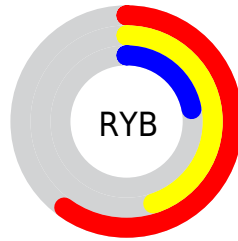
The CIELCh color **45, 37.692, 56.239** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **46, 26.941, 253.654**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 37.831, 56.323**, and **25, 37.820, 55.945** is the 20% darker color. If you saturate the color by 10%, you get **43, 44.702, 55.499**, and if you desaturate by 10%, it is **48, 30.846, 56.971**.

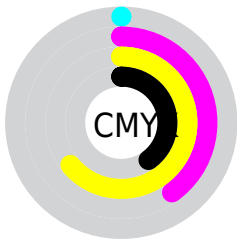
Distribution



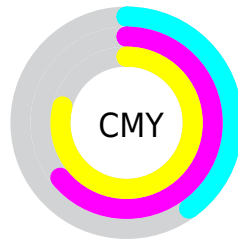
- Red (60%)
- Green (36%)
- Blue (22%)



- Red (60%)
- Yellow (45%)
- Blue (22%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)
- Black (40%)



- Cyan (40%)
- Magenta (64%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 37.692, 56.239 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, 37.692, 56.239 by changing the saturation by 10% instead.

■ 45, 37.692, 56.239

■ 45, 37.692, 56.239

■ 100, 37.692,
56.239

■ 35, 37.692, 56.239

■ 65, 37.692, 56.239

■ 25, 37.692, 56.239

■ 75, 37.692, 56.239

■ 15, 37.692, 56.239

■ 85, 37.692, 56.239

■ 5, 37.692, 56.239

■ 95, 37.692, 56.239

■ 0, 37.692, 56.239

■ 45, 37.692, 56.239

■ 45, 37.692, 56.239

■ 43, 44.702, 55.499

■ 48, 30.846, 56.971

■ 40, 51.534, 54.595

■ 50, 24.320, 57.737

38, 57.506, 53.220

53, 18.165, 58.555

37, 61.061, 52.542

56, 12.388, 59.417

59, 6.973, 60.302

62, 1.890, 61.089

65, 2.893, 242.356

68, 7.409, 243.219

71, 11.688,
244.131

Harmonies

Complementary

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



45, 37.692, 56.239



46, 26.941, 253.654

Rectangle

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



45, 37.692, 56.239



45, 37.692, 106.239



45, 37.692, 236.239



45, 37.692, 286.239

Sweetspot

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



45, 37.691, 56.243



72, 11.978, 59.816



39, 49.337, 342.973



37, 8.381, 59.582



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 37.691, 56.243



54, 57.973, 55.116



57, 45.753, 97.225



31, 2.814, 60.705



34, 57.514, 52.812



2, 2.962, 60.860

Inverse Universe

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



46, 26.941, 253.654



55, 38.322, 259.050



32, 52.770, 295.122



31, 2.709, 242.681



35, 35.799, 268.472



2, 2.977, 242.924

Previews

White Background



This preview shows how the CIELCh color 45, 37.692, 56.239 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, 37.692, 56.239 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, 37.692, 56.239

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.692, 56.239.



This preview shows how white text looks on a background with the CIELCh color 45, 37.692, 56.239.

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, 37.692, 56.239

Protanopia

45, 27.821, 96.463

Deuteranopia

45, 32.486, 79.385



Tritanopia
45, 29.581, 15.929

Trichromacy



Original Color
45, 37.692, 56.239

Protanomaly
45, 29.249, 77.968

Deuteranomaly
45, 33.378, 69.651

Tritanomaly
45, 30.253, 33.220

Monochromacy



Original Color
45, 37.692, 56.239

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 12.611, 57.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.692, 56.239 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(152, 92, 55)` looks like.

```
.text, #text, p{  
    color:rgb(152, 92, 55)  
}
```

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(152, 92, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 92, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.692, 56.239 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(152, 92, 55) }
```

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

```
.border{ border-color:rgb(152, 92, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 92, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 92, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 92, 55);  
box-shadow:4px 4px 4px 4px rgb(152, 92,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.692, 56.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 92, 55) }
```

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

```
.background{ background-color: rgb(152, 92,  
55) }
```

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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