

Converting Colors

CIELCh(52, 45.751, 77.735)

Have a look what the booklet for
CIELCh(52, 45.751, 77.735) contains.

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Color

CIELCh(52, 45.769, 77.830)

Conversions

Conversions Part 1

Format	Color
Hex	9F742C
RGB	159, 116, 44
RGB Percent	62%, 45%, 17%
CMY	0.3752, 0.5440, 0.8263
CMYK	0.00, 0.27, 0.72, 0.38
HSL	38°, 57%, 40%
HSV	38°, 72%, 62%
XYZ	21.1004, 20.1443, 5.1868
YIQ	120.6490, 48.7400, -13.2760

Conversions

Conversions Part 2

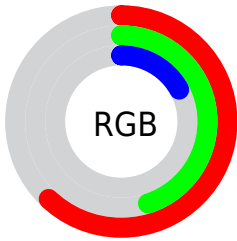
Format	Color
R _Y B	113, 159, 44
Decimal	10449964
CIE Lab	52.00, 9.65, 44.74
CIE LCh	52, 45.769, 77.830
Yxy	20.1443, 0.4544, 0.4339
Android (android.graphics.Color)	4288640044 (0xFF9F742C)
YUV	120.6490, -37.7880, 33.6338
Hunter-Lab	44.8824, 5.3731, 24.5659

Details

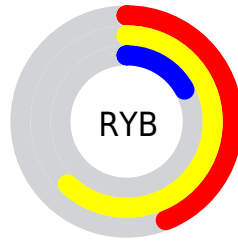
The CIELCh color **52, 45.769, 77.830** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **38, 44.724, 283.536**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 45.696, 77.857**, and **32, 42.442, 76.732** is the 20% darker color. If you saturate the color by 10%, you get **50, 51.303, 76.088**, and if you desaturate by 10%, it is **54, 39.534, 79.389**.

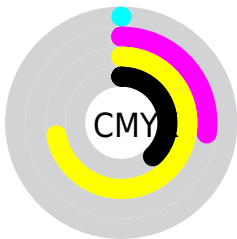
Distribution



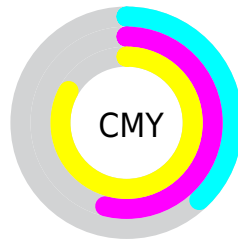
- Red (62%)
- Green (45%)
- Blue (17%)



- Red (44%)
- Yellow (62%)
- Blue (17%)



- Cyan (0%)
- Magenta (27%)
- Yellow (72%)
- Black (38%)



- Cyan (38%)
- Magenta (54%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 45.769, 77.830 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 52, 45.769, 77.830 by changing the saturation by 10% instead.

■ 52, 45.769, 77.830

■ 52, 45.769, 77.830

■ 100, 45.769,
77.830

■ 42, 45.769, 77.830

■ 72, 45.769, 77.830

■ 32, 45.769, 77.830

■ 82, 45.769, 77.830

■ 22, 45.769, 77.830

■ 92, 45.769, 77.830

■ 12, 45.769, 77.830

■ 2, 45.769, 77.830

■ 0, 45.769, 77.830

■ 52, 45.769, 77.830

■ 52, 45.769, 77.830

■ 50, 51.303, 76.088

■ 54, 39.534, 79.389

■ 49, 55.517, 73.990

■ 56, 33.015, 80.845

48, 58.073, 72.197

57, 26.444, 82.244

59, 19.946, 83.600

61, 13.578, 84.916

63, 7.363, 86.186

65, 1.307, 87.286

67, 4.595, 268.708

69, 10.354,
269.830

Harmonies

Complementary

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



52, 45.769, 77.830



38, 44.724, 283.536

Rectangle

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



52, 45.769, 77.830



52, 45.769, 127.830



52, 45.769, 257.830



52, 45.769, 307.830

Sweetspot

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



52, 45.769, 77.833



78, 16.624, 84.889



38, 50.418, 1.598



41, 11.296, 84.560



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



52, 45.769, 77.833



63, 65.734, 74.793



63, 58.492, 109.795



32, 3.376, 86.549



43, 53.590, 72.519



3, 4.245, 84.831

Inverse Universe

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



38, 44.724, 283.536



42, 67.582, 289.532



27, 72.462, 303.797



31, 3.361, 268.966



25, 58.091, 293.323



1, 4.468, 269.374

Previews

White Background



This preview shows how the CIELCh color 52, 45.769, 77.830 looks on a white 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

Black Background



This preview shows how the CIELCh color 52, 45.769, 77.830 looks on a black 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

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

CIELCh 52, 45.769, 77.830

Background



This preview shows how black text looks on a background with the CIELCh color 52, 45.769, 77.830.



This preview shows how white text looks on a background with the CIELCh color 52, 45.769, 77.830.

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

52, 45.769, 77.830

Protanopia

52, 43.312, 95.853

Deuteranopia

52, 45.170, 81.485



Tritanopia
52, 23.471, 11.177

Trichromacy



Original Color
52, 45.769, 77.830

Protanomaly
52, 43.601, 89.457

Deuteranomaly
52, 45.442, 79.643

Tritanomaly
52, 26.064, 48.827

Monochromacy



Original Color
52, 45.769, 77.830

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 16.706, 83.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 45.769, 77.830 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(159, 116, 44)` looks like.

```
.text, #text, p{  
    color:rgb(159, 116, 44)  
}
```

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(159, 116, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 116, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 45.769, 77.830 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(159, 116, 44) }
```

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

```
.border{ border-color:rgb(159, 116, 44) }
```

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

Here you see how a box with a 4 pixel rgb(159, 116, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 116, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 116, 44);  
box-shadow:4px 4px 4px 4px rgb(159, 116,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 45.769, 77.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 116, 44) }
```

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

```
.background{ background-color: rgb(159,  
116, 44) }
```

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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