

Converting Colors

CIELCh(52, 50.268, 80.151)

Have a look what the booklet for
CIELCh(52, 50.268, 80.151) contains.

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Color

CIELCh(52, 50.326, 80.202)

Conversions

Conversions Part 1

Format	Color
Hex	9F7521
RGB	159, 117, 33
RGB Percent	62%, 46%, 13%
CMY	0.3772, 0.5418, 0.8713
CMYK	0.00, 0.26, 0.79, 0.38
HSL	40°, 66%, 38%
HSV	40°, 79%, 62%
XYZ	20.8744, 20.1443, 4.2137
YIQ	119.9820, 51.9960, -17.2200

Conversions

Conversions Part 2

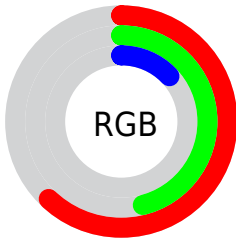
Format	Color
R_YB	96, 159, 33
Decimal	10450209
CIE Lab	52.00, 8.56, 49.59
CIE LCh	52, 50.326, 80.202
Yxy	20.1443, 0.4615, 0.4454
Android (android.graphics.Color)	4288640289 (0xFF9F7521)
YUV	119.9820, -42.8821, 34.2188
Hunter-Lab	44.8824, 4.4746, 25.8514

Details

The CIELCh color **52, 50.326, 80.202** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **34, 52.654, 288.964**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 50.423, 80.476**, and **32, 42.485, 77.599** is the 20% darker color. If you saturate the color by 10%, you get **51, 54.716, 78.322**, and if you desaturate by 10%, it is **54, 44.715, 81.836**.

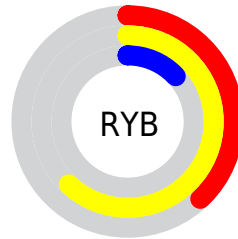
Distribution



Red (62%)

Green (46%)

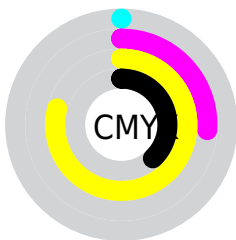
Blue (13%)



Red (38%)

Yellow (62%)

Blue (13%)

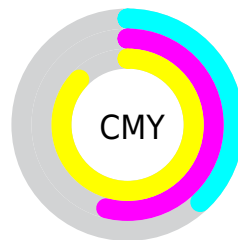


Cyan (0%)

Magenta (26%)

Yellow (79%)

Black (38%)



Cyan (38%)

Magenta (54%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 50.326, 80.202 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, 50.326, 80.202 by changing the saturation by 10% instead.

■ 52, 50.326, 80.202

■ 52, 50.326, 80.202

■ 100, 50.326,
80.202

■ 42, 50.326, 80.202

■ 72, 50.326, 80.202

■ 32, 50.326, 80.202

■ 82, 50.326, 80.202

■ 22, 50.326, 80.202

■ 92, 50.326, 80.202

■ 12, 50.326, 80.202

■ 2, 50.326, 80.202

■ 0, 50.326, 80.202

■ 52, 50.326, 80.202

■ 52, 50.326, 80.202

■ 51, 54.716, 78.322

■ 54, 44.715, 81.836

■ 49, 57.733, 76.156

■ 55, 38.448, 83.330

49, 57.946, 76.020

57, 31.893, 84.749

58, 25.264, 86.119

60, 18.676, 87.449

62, 12.186, 88.738

64, 5.818, 89.975

66, 0.420, 271.704

67, 6.529, 272.416

Harmonies

Complementary

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



52, 50.326, 80.202



34, 52.654, 288.964

Rectangle

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



52, 50.326, 80.202



52, 50.326, 130.202



52, 50.326, 260.202



52, 50.326, 310.202

Sweetspot

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



52, 50.325, 80.205



78, 18.838, 88.083



36, 53.429, 7.983



41, 13.089, 87.646



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, 50.325, 80.205



64, 69.072, 76.641



62, 62.550, 112.152



33, 3.512, 89.985



44, 53.622, 76.300



3, 4.409, 88.291

Inverse Universe

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



34, 52.654, 288.964



37, 79.606, 295.187



25, 78.851, 305.564



31, 3.512, 272.353



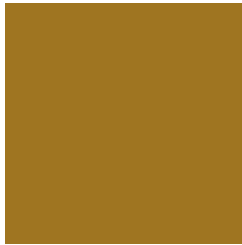
24, 62.171, 295.838



1, 4.651, 272.491

Previews

White Background



This preview shows how the CIELCh color 52, 50.326, 80.202 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 CIE LCh color 52, 50.326, 80.202 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, 50.326, 80.202

Background



This preview shows how black text looks on a background with the CIELCh color 52, 50.326, 80.202.



This preview shows how white text looks on a background with the CIELCh color 52, 50.326, 80.202.

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, 50.326, 80.202

Protanopia

52, 48.495, 95.501

Deuteranopia

52, 50.208, 82.473



Tritanopia
52, 23.471, 11.177

Trichromacy



Original Color
52, 50.326, 80.202

Protanomaly
52, 48.773, 89.727

Deuteranomaly
52, 50.414, 81.975

Tritanomaly
52, 27.869, 53.419

Monochromacy



Original Color
52, 50.326, 80.202

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 19.215, 87.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 50.326, 80.202 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, 117, 33)` looks like.

```
.text, #text, p{  
    color:rgb(159, 117, 33)  
}
```

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, 117, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 117, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 50.326, 80.202 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, 117, 33) }
```

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

```
.border{ border-color:rgb(159, 117, 33) }
```

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

Here you see how a box with a 4 pixel rgb(159, 117, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 117, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 117, 33);  
box-shadow:4px 4px 4px 4px rgb(159, 117,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 50.326, 80.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 117, 33) }
```

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

```
.background{ background-color: rgb(159,  
117, 33) }
```

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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