

Converting Colors

CIELCh(52, 48.877, 82.587)

Have a look what the booklet for
CIELCh(52, 48.877, 82.587) contains.

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Color

CIELCh(52, 48.874, 82.662)

Conversions

Conversions Part 1

Format	Color
Hex	9B7623
RGB	155, 118, 35
RGB Percent	61%, 46%, 14%
CMY	0.3909, 0.5362, 0.8616
CMYK	0.00, 0.24, 0.77, 0.39
HSL	41°, 63%, 37%
HSV	41°, 77%, 61%
XYZ	20.3961, 20.1443, 4.4261
YIQ	119.6010, 48.6950, -17.9690

Conversions

Conversions Part 2

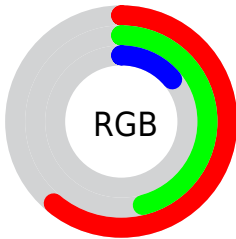
Format	Color
R_{YB}	88, 155, 35
Decimal	10188323
CIE _{Lab}	52.00, 6.24, 48.47
CIE _{LCh}	52, 48.874, 82.662
Yxy	20.1443, 0.4536, 0.4480
Android (android.graphics.Color)	4288378403 (0xFF9B7623)
YUV	119.6010, -41.7083, 31.0449
Hunter-Lab	44.8824, 2.5723, 25.5708

Details

The CIELCh color **52, 48.874, 82.662** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **33, 52.179, 289.818**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 48.908, 82.647**, and **32, 41.820, 80.364** is the 20% darker color. If you saturate the color by 10%, you get **51, 53.379, 80.923**, and if you desaturate by 10%, it is **53, 43.252, 84.214**.

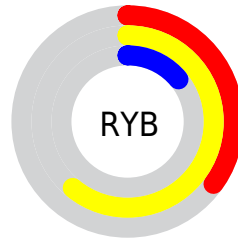
Distribution



Red (61%)

Green (46%)

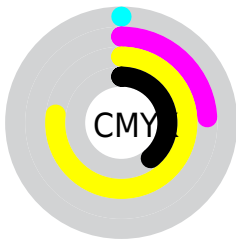
Blue (14%)



Red (35%)

Yellow (61%)

Blue (14%)

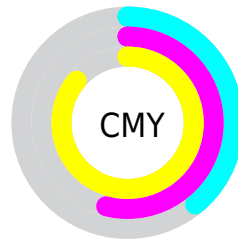


Cyan (0%)

Magenta (24%)

Yellow (77%)

Black (39%)



Cyan (39%)

Magenta (54%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 48.874, 82.662 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, 48.874, 82.662 by changing the saturation by 10% instead.

■ 52, 48.874, 82.662

■ 52, 48.874, 82.662

■ 100, 48.874,
82.662

■ 42, 48.874, 82.662

■ 72, 48.874, 82.662

■ 32, 48.874, 82.662

■ 82, 48.874, 82.662

■ 22, 48.874, 82.662

■ 92, 48.874, 82.662

■ 12, 48.874, 82.662

■ 2, 48.874, 82.662

■ 0, 48.874, 82.662

■ 52, 48.874, 82.662

■ 52, 48.874, 82.662

■ 51, 53.379, 80.923

■ 53, 43.252, 84.214

■ 49, 56.363, 78.896

■ 55, 37.025, 85.657

49, 57.160, 78.361

56, 30.526, 87.040

58, 23.947, 88.380

60, 17.395, 89.683

61, 10.922, 90.945

63, 4.554, 92.149

65, 1.700, 273.483

66, 7.841, 274.534

Harmonies

Complementary

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



52, 48.874, 82.662



33, 52.179, 289.818

Rectangle

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



52, 48.874, 82.662



52, 48.874, 132.662



52, 48.874, 262.662



52, 48.874, 312.662

Sweetspot

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



52, 48.874, 82.665



76, 18.072, 90.171



35, 51.568, 8.552



40, 12.644, 89.739



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



52, 48.874, 82.665



64, 67.501, 79.399



60, 60.599, 112.986



32, 3.502, 91.923



44, 53.077, 78.613



2, 3.721, 92.161

Inverse Universe

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



33, 52.179, 289.818



36, 79.218, 295.824



25, 75.475, 305.590



30, 3.511, 274.243



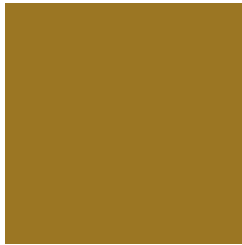
22, 63.649, 297.129



1, 3.789, 273.448

Previews

White Background



This preview shows how the CIELCh color 52, 48.874, 82.662 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, 48.874, 82.662 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, 48.874, 82.662

Background



This preview shows how black text looks on a background with the CIELCh color 52, 48.874, 82.662.



This preview shows how white text looks on a background with the CIELCh color 52, 48.874, 82.662.

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, 48.874, 82.662

Protanopia

52, 47.623, 96.039

Deuteranopia

52, 49.080, 82.151



Tritanopia
52, 21.824, 8.529

Trichromacy



Original Color
52, 48.874, 82.662

Protanomaly
52, 48.004, 91.389

Deuteranomaly
52, 49.080, 82.151

Tritanomaly
52, 25.483, 53.664

Monochromacy



Original Color
52, 48.874, 82.662

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 18.508, 88.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 48.874, 82.662 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(155, 118, 35)` looks like.

```
.text, #text, p{  
    color:rgb(155, 118, 35)  
}
```

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(155, 118, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 118, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 48.874, 82.662 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(155, 118, 35) }
```

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

```
.border{ border-color:rgb(155, 118, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 118, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 118, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 118, 35);  
box-shadow:4px 4px 4px 4px rgb(155, 118,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 48.874, 82.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 118, 35) }
```

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

```
.background{ background-color: rgb(155,  
118, 35) }
```

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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