

Converting Colors

CIELCh(52, 46.429, 107.981)

Have a look what the booklet for
CIELCh(52, 46.429, 107.981)
contains.

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Color

CIELCh(52, 46.339, 107.782)

Conversions

Conversions Part 1

Format	Color
Hex	7B812B
RGB	123, 129, 43
RGB Percent	48%, 51%, 17%
CMY	0.5170, 0.4934, 0.8307
CMYK	0.05, 0.00, 0.67, 0.49
HSL	64°, 50%, 34%
HSV	64°, 67%, 51%
XYZ	16.5050, 20.1443, 5.3200
YIQ	117.4020, 24.0300, -28.0180

Conversions

Conversions Part 2

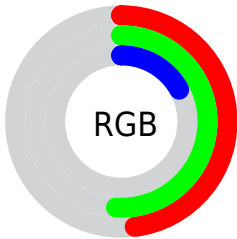
Format	Color
R_{YB}	43, 129, 49
Decimal	8093995
CIE _{Lab}	52.00, -14.15, 44.13
CIE _{LCh}	52, 46.339, 107.782
Yxy	20.1443, 0.3933, 0.4800
Android (android.graphics.Color)	4286284075 (0xFF7B812B)
YUV	117.4020, -36.6802, 4.9094
Hunter-Lab	44.8824, -12.9029, 24.3900

Details

The CIELCh color $52, 46.339, 107.782$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $24, 56.155, 301.786$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 46.635, 107.688$, and $32, 42.111, 109.139$ is the 20% darker color. If you saturate the color by 10%, you get $52, 51.431, 107.320$, and if you desaturate by 10%, it is $52, 40.363, 108.401$.

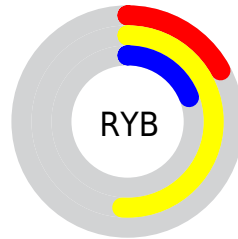
Distribution



Red (48%)

Green (51%)

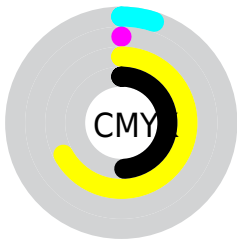
Blue (17%)



Red (17%)

Yellow (51%)

Blue (19%)

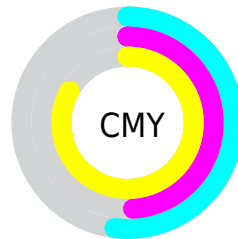


Cyan (5%)

Magenta (0%)

Yellow (67%)

Black (49%)



Cyan (52%)


Magenta (49%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 46.339, 107.782 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, 46.339, 107.782 by changing the saturation by 10% instead.


 52, 46.339,
107.782


 52, 46.339,
107.782


 100, 46.339,
107.782


 42, 46.339,
107.782


 72, 46.339,
107.782

 32, 46.339,
107.782

 82, 46.339,
107.782

 22, 46.339,
107.782

 92, 46.339,
107.782

 12, 46.339,
107.782

 2, 46.339, 107.782

 0, 46.339, 107.782

■ 52, 46.339,
107.782

■ 52, 46.339,
107.782

■ 52, 51.431,
107.320

■ 52, 40.363,
108.401

■ 52, 55.311,
107.062

■ 52, 33.789,
109.121

■ 52, 57.887,
107.023

■ 53, 26.831,
109.905

■ 52, 58.718,
107.015

■ 53, 19.635,
110.724

■ 53, 12.300,
111.554

■ 54, 4.889, 112.379

■ 54, 2.555, 293.207

■ 55, 10.003,
293.987

■ 55, 17.433,
294.744

Harmonies

Complementary

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



52, 46.339, 107.782



24, 56.155, 301.786

Rectangle

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



52, 46.339, 107.782



52, 46.339, 157.782



52, 46.339, 287.782



52, 46.339, 337.782

Sweetspot

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



52, 46.339, 107.784



68, 18.396, 111.231



32, 40.461, 32.125



35, 12.480, 111.037



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 46.339, 107.784



66, 65.091, 107.155



49, 51.331, 128.601



27, 4.143, 112.174



51, 58.168, 107.009



0, 0.000, 0.000

Inverse Universe

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



24, 56.155, 301.786



25, 83.962, 304.378



28, 55.501, 314.177



24, 4.229, 293.714



13, 79.631, 306.608



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 46.339, 107.782 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, 46.339, 107.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

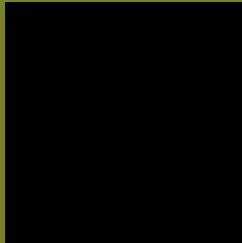
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 46.339, 107.782

Background



This preview shows how black text looks on a background with the CIELCh color 52, 46.339, 107.782.



This preview shows how white text looks on a background with the CIELCh color 52, 46.339, 107.782.

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

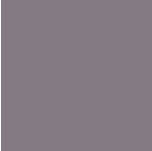
52, 46.339, 107.782

Protanopia

52, 45.191, 95.298

Deuteranopia

52, 43.631, 81.559



Tritanopia
52, 6.591, 327.664

Trichromacy



Original Color
52, 46.339, 107.782

Protanomaly
52, 45.539, 100.170

Deuteranomaly
52, 43.193, 91.279

Tritanomaly
52, 15.086, 101.676

Monochromacy



Original Color
52, 46.339, 107.782

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 17.921, 110.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 46.339, 107.782 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(123, 129, 43)` looks like.

```
.text, #text, p{  
    color:rgb(123, 129, 43)  
}
```

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(123, 129, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 129, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 46.339, 107.782 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(123, 129, 43) }
```

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

```
.border{ border-color:rgb(123, 129, 43) }
```

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

Here you see how a box with a 4 pixel rgb(123, 129, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 129, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 129, 43);  
box-shadow:4px 4px 4px 4px rgb(123, 129,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 46.339, 107.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 129, 43) }
```

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

```
.background{ background-color: rgb(123,  
129, 43) }
```

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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