

Converting Colors

CIELCh(52, 46.035, 148.544)

Have a look what the booklet for
CIELCh(52, 46.035, 148.544)
contains.

CIELCh(52, 46.117, 148.538)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 46.117, 148.538)

Conversions

Conversions Part 1

Format	Color
Hex	378C51
RGB	55, 140, 81
RGB Percent	22%, 55%, 32%
CMY	0.7845, 0.4512, 0.6825
CMYK	0.61, 0.00, 0.42, 0.45
HSL	138°, 44%, 38%
HSV	138°, 61%, 55%
XYZ	12.4260, 20.1443, 11.0082
YIQ	107.8590, -31.7210, -36.3690

Conversions

Conversions Part 2

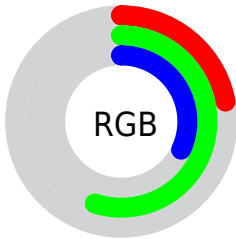
Format	Color
RYB	55, 120, 140
Decimal	3640401
CIELab	52.00, -39.34, 24.07
CIELCh	52, 46.117, 148.538
Yxy	20.1443, 0.2851, 0.4623
Android (android.graphics.Color)	4281830481 (0xFF378C51)
YUV	107.8590, -13.2415, -46.3573
Hunter-Lab	44.8824, -29.1255, 16.8757

Details

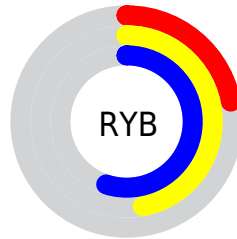
The CIELCh color $52, 46.117, 148.538$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $37, 46.144, 339.361$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $72, 45.942, 148.594$, and $32, 44.001, 146.155$ is the 20% darker color. If you saturate the color by 10%, you get $51, 52.458, 147.009$, and if you desaturate by 10%, it is $53, 39.195, 149.891$.

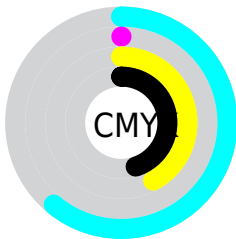
Distribution



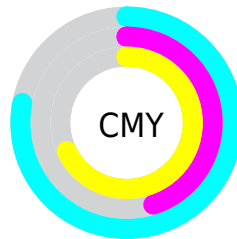
- Red (22%)
- Green (55%)
- Blue (32%)



- Red (22%)
- Yellow (47%)
- Blue (55%)



- Cyan (61%)
- Magenta (0%)
- Yellow (42%)
- Black (45%)





- Cyan (78%)
- Magenta (45%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 46.117, 148.538 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, 46.117, 148.538 by changing the saturation by 10% instead.


 52, 46.117,
148.538


 52, 46.117,
148.538


 100, 46.117,
148.538


 42, 46.117,
148.538


 72, 46.117,
148.538


 32, 46.117,
148.538


 82, 46.117,
148.538

 22, 46.117,
148.538

 92, 46.117,
148.538

 12, 46.117,
148.538

 2, 46.117, 148.538

 0, 46.117, 148.538

■ 52, 46.117,
148.538

■ 52, 46.117,
148.538

■ 51, 52.458,
147.009

■ 53, 39.195,
149.891

■ 51, 58.098,
145.309

■ 53, 31.830,
151.076

■ 51, 62.948,
143.469

■ 54, 24.163,
152.111

■ 51, 66.827,
141.814

■ 56, 16.325,
153.017

■ 57, 8.431, 153.819

■ 58, 0.572, 154.937

■ 60, 7.180, 335.055

■ 61, 14.775,
335.619

■ 63, 22.177,
336.113

Harmonies

Complementary

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



52, 46.117, 148.538



37, 46.144, 339.361

Rectangle

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



52, 46.117, 148.538



52, 46.117, 198.538



52, 46.117, 328.538



52, 46.117, 18.538

Sweetspot

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



52, 46.118, 148.538



71, 17.478, 153.214



55, 47.240, 118.640



37, 12.244, 152.995



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 46.118, 148.538



65, 66.087, 146.382



53, 29.884, 177.178



28, 4.368, 153.941



48, 64.100, 141.925



1, 2.022, 154.533

Inverse Universe

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



37, 46.144, 339.361



44, 64.465, 340.918



36, 38.627, 12.412



27, 4.390, 335.099



29, 56.887, 344.715



0, 2.023, 334.525

Previews

White Background



This preview shows how the CIELCh color 52, 46.117, 148.538 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, 46.117, 148.538 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, 46.117, 148.538

Background



This preview shows how black text looks on a background with the CIELCh color 52, 46.117, 148.538.



This preview shows how white text looks on a background with the CIELCh color 52, 46.117, 148.538.

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, 46.117, 148.538

Protanopia
52, 27.982, 95.316

Deuteranopia
52, 22.926, 72.856



Tritanopia
52, 20.185, 214.480

Trichromacy



Original Color
52, 46.117, 148.538

Protanomaly
51, 31.184, 125.144

Deuteranomaly
51, 24.603, 119.366

Tritanomaly
52, 26.260, 175.974

Monochromacy



Original Color
52, 46.117, 148.538

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 18.138, 151.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 46.117, 148.538 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(55, 140, 81)` looks like.

```
.text, #text, p{  
    color:rgb(55, 140, 81)  
}
```

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(55, 140, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 140, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 46.117, 148.538 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(55, 140, 81) }
```

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

```
.border{ border-color:rgb(55, 140, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 140, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 140, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 140, 81);  
box-shadow:4px 4px 4px 4px rgb(55, 140,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 46.117, 148.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 140, 81) }
```

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

```
.background{ background-color: rgb(55, 140,  
81) }
```

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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