

Converting Colors

CIELCh(52, 12.949, 160.258)

Have a look what the booklet for
CIELCh(52, 12.949, 160.258)
contains.

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Color

CIELCh(52, 13.169, 160.013)

Conversions

Conversions Part 1

Format	Color
Hex	688274
RGB	104, 130, 116
RGB Percent	41%, 51%, 45%
CMY	0.5924, 0.4905, 0.5454
CMYK	0.20, 0.00, 0.11, 0.49
HSL	148°, 11%, 46%
HSV	148°, 20%, 51%
XYZ	16.8222, 20.1443, 19.5032
YIQ	120.6300, -11.0020, -9.8660

Conversions

Conversions Part 2

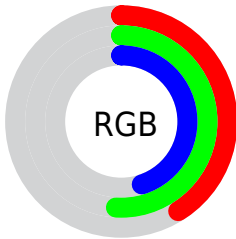
Format	Color
RYB	104, 122, 130
Decimal	6849140
CIELab	52.00, -12.38, 4.50
CIElCh	52, 13.169, 160.013
Yxy	20.1443, 0.2979, 0.3567
Android (android.graphics.Color)	4285039220 (0xFF688274)
YUV	120.6300, -2.2826, -14.5845
Hunter-Lab	44.8824, -11.6412, 5.6539

Details

The CIELCh color $52, 13.169, 160.013$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 13.436, 343.237$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 13.300, 160.536$, and $32, 13.516, 160.050$ is the 20% darker color. If you saturate the color by 10%, you get $51, 19.672, 159.038$, and if you desaturate by 10%, it is $53, 6.588, 160.897$.

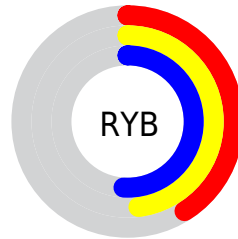
Distribution



Red (41%)

Green (51%)

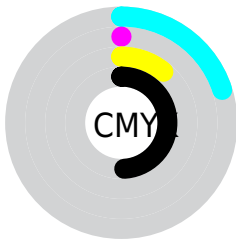
Blue (45%)



Red (41%)

Yellow (48%)

Blue (51%)

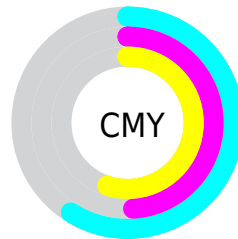


Cyan (20%)

Magenta (0%)

Yellow (11%)

Black (49%)



Cyan (59%)


Magenta (49%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 13.169, 160.013 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, 13.169, 160.013 by changing the saturation by 10% instead.


 52, 13.169,
160.013


 52, 13.169,
160.013


 100, 13.169,
160.013


 42, 13.169,
160.013


 72, 13.169,
160.013

 32, 13.169,
160.013

 82, 13.169,
160.013

 22, 13.169,
160.013

 92, 13.169,
160.013

 12, 13.169,
160.013

 2, 13.169, 160.013

 0, 13.169, 160.013

■ 52, 13.169,
160.013

■ 52, 13.169,
160.013

■ 51, 19.672,
159.038

■ 53, 6.588, 160.897

■ 50, 26.002,
157.947

■ 54, 0.005, 235.922

■ 56, 6.527, 342.296

■ 49, 32.058,
156.716

■ 57, 12.953,
342.963

■ 49, 37.735,
155.321

■ 59, 19.242,
343.565

■ 48, 42.935,
153.745

■ 60, 25.373,
344.120

■ 48, 47.583,
151.974


■ 62, 31.333,
344.635

■ 48, 51.641,
150.011

■ 64, 37.116,
345.117

■ 47, 55.268,

148.022

 65, 42.721,
345.570

Harmonies

Complementary

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



52, 13.169, 160.013



47, 13.436, 343.237

Rectangle

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



52, 13.169, 160.013



52, 13.169, 210.013



52, 13.169, 340.013



52, 13.169, 30.013

Sweetspot

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



52, 13.170, 160.011



68, 4.872, 161.236



53, 15.726, 126.395



35, 3.218, 161.190



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, 13.170, 160.011



66, 19.491, 159.583



52, 9.869, 194.014



26, 3.651, 160.977



46, 54.467, 148.069



0, 0.000, 0.000

Inverse Universe

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



47, 13.436, 343.237



58, 19.969, 343.654



47, 11.063, 16.825



25, 3.689, 342.288



27, 51.339, 357.094



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 13.169, 160.013 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, 13.169, 160.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

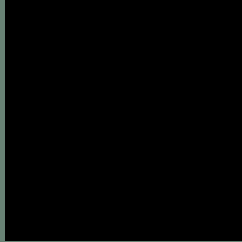
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

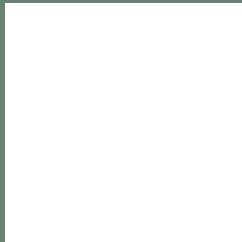
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 13.169, 160.013

Background



This preview shows how black text looks on a background with the CIELCh color 52, 13.169, 160.013.



This preview shows how white text looks on a background with the CIELCh color 52, 13.169, 160.013.

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](#).

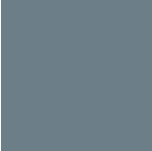
Dichromacy



Original Color
52, 13.169, 160.013

Protanopia
52, 6.829, 87.907

Deuteranopia
52, 7.535, 28.961



Tritanopia
52, 8.981, 239.327

Trichromacy



Original Color
52, 13.169, 160.013

Protanomaly
52, 7.924, 127.270

Deuteranomaly
52, 4.122, 98.222

Tritanomaly
52, 7.982, 202.818

Monochromacy



Original Color
52, 13.169, 160.013

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.651, 160.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 13.169, 160.013 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(104, 130, 116)` looks like.

```
.text, #text, p{  
    color:rgb(104, 130, 116)  
}
```

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(104, 130, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 130, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 13.169, 160.013 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(104, 130, 116) }
```

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

```
.border{ border-color:rgb(104, 130, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 130, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 130, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 130, 116);  
box-shadow:4px 4px 4px 4px rgb(104, 130,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 13.169, 160.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 130, 116) }
```

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

```
.background{ background-color: rgb(104,  
130, 116) }
```

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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