

Converting Colors

CIELCh(52, 19.169, 133.677)

Have a look what the booklet for
CIELCh(52, 19.169, 133.677)
contains.

CIELCh(52, 19.196, 133.670)	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, 19.196, 133.670)

Conversions

Conversions Part 1

Format	Color
Hex	6E8264
RGB	110, 130, 100
RGB Percent	43%, 51%, 39%
CMY	0.5692, 0.4908, 0.6084
CMYK	0.15, 0.00, 0.23, 0.49
HSL	100°, 13%, 45%
HSV	100°, 23%, 51%
XYZ	16.6647, 20.1443, 15.0273
YIQ	120.6000, -2.2900, -13.5700

Conversions

Conversions Part 2

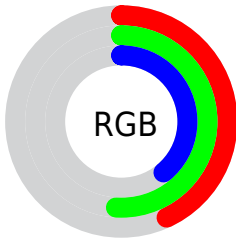
Format	Color
R_{YB}	100, 130, 120
Decimal	7242340
CIE _{Lab}	52.00, -13.25, 13.89
CIE _{LCh}	52, 19.196, 133.670
Y _{xy}	20.1443, 0.3215, 0.3886
Android (android.graphics.Color)	4285432420 (0xFF6E8264)
YUV	120.6000, -10.1558, -9.2962
Hunter-Lab	44.8824, -12.2678, 11.5665

Details

The CIELCh color $52, 19.196, 133.670$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 19.563, 315.614$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 19.164, 133.578$, and $32, 19.516, 133.564$ is the 20% darker color. If you saturate the color by 10%, you get $51, 27.472, 133.172$, and if you desaturate by 10%, it is $53, 10.867, 134.140$.

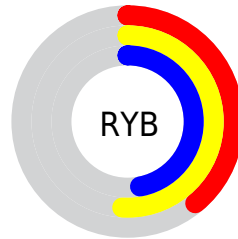
Distribution



Red (43%)

Green (51%)

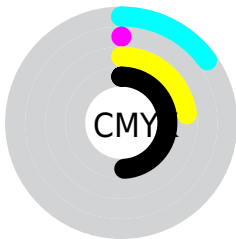
Blue (39%)



Red (39%)

Yellow (51%)

Blue (47%)

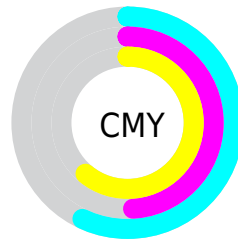


Cyan (15%)

Magenta (0%)

Yellow (23%)

Black (49%)



Cyan (57%)


Magenta (49%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 19.196, 133.670 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, 19.196, 133.670 by changing the saturation by 10% instead.


 52, 19.196,
133.670


 52, 19.196,
133.670


 100, 19.196,
133.670


 42, 19.196,
133.670


 72, 19.196,
133.670


 32, 19.196,
133.670

 82, 19.196,
133.670

 22, 19.196,
133.670

 92, 19.196,
133.670

 12, 19.196,
133.670

 2, 19.196, 133.670

 0, 19.196, 133.670

■ 52, 19.196,
133.670

■ 52, 19.196,
133.670

■ 51, 27.472,
133.172

■ 53, 10.867,
134.140

■ 50, 35.587,
132.659

■ 54, 2.557, 134.599

■ 50, 43.397,
132.162

■ 55, 5.678, 314.906

■ 49, 50.702,
131.738

■ 56, 13.800,
315.254

■ 49, 57.236,
131.468

■ 57, 21.783,
315.551

■ 48, 62.673,
131.464

■ 59, 29.608,
315.810

■ 48, 66.708,
131.834

■ 60, 37.265,
316.034

■ 48, 69.050,

■ 62, 44.748,
316.228

132.092

■ 63, 52.056,
316.396

Harmonies

Complementary

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



52, 19.196, 133.670



45, 19.563, 315.614

Rectangle

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



52, 19.196, 133.670



52, 19.196, 183.670



52, 19.196, 313.670



52, 19.196, 3.670

Sweetspot

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



52, 19.197, 133.671



68, 7.159, 134.405



51, 12.391, 88.294



35, 4.631, 134.386



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, 19.197, 133.671



66, 28.756, 133.398



51, 18.964, 147.839



26, 4.598, 134.320



47, 68.129, 132.067



0, 0.000, 0.000

Inverse Universe

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



45, 19.563, 315.614



55, 29.438, 315.851



46, 19.022, 330.748



25, 4.638, 315.017



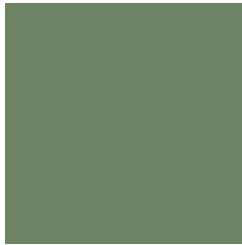
22, 71.942, 316.647



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 19.196, 133.670 looks on a white background.

Color Contrast Check

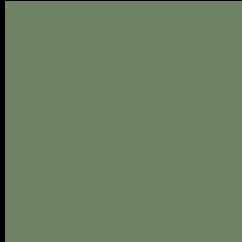
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.196, 133.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

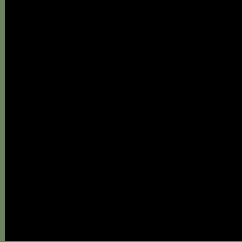
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

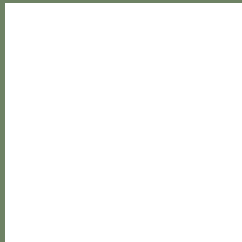
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 19.196, 133.670

Background



This preview shows how black text looks on a background with the CIELCh color 52, 19.196, 133.670.



This preview shows how white text looks on a background with the CIELCh color 52, 19.196, 133.670.

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](#).

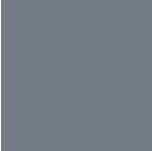
Dichromacy



Original Color
52, 19.196, 133.670

Protanopia
52, 15.946, 95.589

Deuteranopia
52, 14.444, 62.717



Tritanopia
52, 6.853, 257.399

Trichromacy



Original Color
52, 19.196, 133.670

Protanomaly
52, 16.122, 111.162

Deuteranomaly
52, 13.170, 93.401

Tritanomaly
52, 6.271, 171.208

Monochromacy



Original Color
52, 19.196, 133.670

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 7.196, 136.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 19.196, 133.670 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(110, 130, 100)` looks like.

```
.text, #text, p{  
    color:rgb(110, 130, 100)  
}
```

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(110, 130, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 130, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 19.196, 133.670 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(110, 130, 100) }
```

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

```
.border{ border-color:rgb(110, 130, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 130, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 130, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 130, 100);  
box-shadow:4px 4px 4px 4px rgb(110, 130,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 19.196, 133.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 130, 100) }
```

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

```
.background{ background-color: rgb(110,  
130, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor