

Converting Colors

CIELCh(52, 32.078, 126.904)

Have a look what the booklet for
CIELCh(52, 32.078, 126.904)
contains.

CIELCh(52, 32.041, 126.917)	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, 32.041, 126.917)

Conversions

Conversions Part 1

Format	Color
Hex	6A844F
RGB	106, 132, 79
RGB Percent	42%, 52%, 31%
CMY	0.5842, 0.4822, 0.6901
CMYK	0.20, 0.00, 0.40, 0.48
HSL	89°, 25%, 41%
HSV	89°, 40%, 52%
XYZ	15.6172, 20.1443, 10.4690
YIQ	118.1840, 1.5170, -21.9950

Conversions

Conversions Part 2

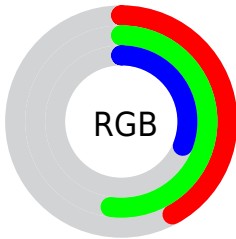
Format	Color
R_{YB}	79, 132, 105
Decimal	6980687
CIE _{Lab}	52.00, -19.25, 25.62
CIE _{LCh}	52, 32.041, 126.917
Yxy	20.1443, 0.3378, 0.4357
Android (android.graphics.Color)	4285170767 (0xFF6A844F)
YUV	118.1840, -19.3177, -10.6854
Hunter-Lab	44.8824, -16.4337, 17.5881

Details

The CIELCh color $52, 32.041, 126.917$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $38, 33.916, 310.698$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 31.908, 127.032$, and $32, 31.797, 126.958$ is the 20% darker color. If you saturate the color by 10%, you get $51, 39.646, 126.491$, and if you desaturate by 10%, it is $53, 24.185, 127.384$.

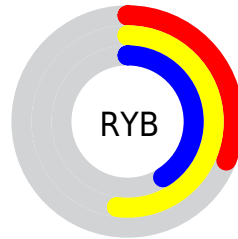
Distribution



Red (42%)

Green (52%)

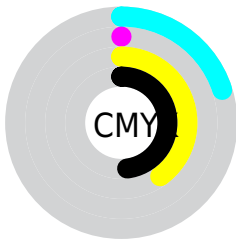
Blue (31%)



Red (31%)

Yellow (52%)

Blue (41%)

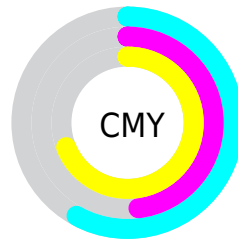


Cyan (20%)

Magenta (0%)

Yellow (40%)

Black (48%)



Cyan (58%)


Magenta (48%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 32.041, 126.917 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, 32.041, 126.917 by changing the saturation by 10% instead.


 52, 32.041,
126.917


 52, 32.041,
126.917


 100, 32.041,
126.917


 42, 32.041,
126.917


 72, 32.041,
126.917

 32, 32.041,
126.917

 82, 32.041,
126.917

 22, 32.041,
126.917

 92, 32.041,
126.917

 12, 32.041,
126.917

 2, 32.041, 126.917

 0, 32.041, 126.917

■ 52, 32.041,
126.917

■ 52, 32.041,
126.917

■ 51, 39.646,
126.491

■ 53, 24.185,
127.384

■ 51, 46.826,
126.153

■ 53, 16.192,
127.855

■ 50, 53.347,
125.981

■ 54, 8.147, 128.315

■ 50, 58.906,
126.079

■ 55, 0.107, 129.523

■ 56, 7.884, 309.120

■ 49, 63.183,
126.562

■ 57, 15.798,
309.490

■ 49, 66.430,
127.268

■ 58, 23.612,
309.822

■ 59, 31.311,
310.121

■ 60, 38.886,
310.389

Harmonies

Complementary

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



52, 32.041, 126.917



38, 33.916, 310.698

Rectangle

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



52, 32.041, 126.917



52, 32.041, 176.917



52, 32.041, 306.917



52, 32.041, 356.917

Sweetspot

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



52, 32.042, 126.918



69, 11.903, 128.218



46, 19.906, 68.881



36, 7.958, 128.170



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 32.042, 126.918



65, 46.905, 126.534



50, 37.114, 141.169



28, 4.544, 128.361



48, 65.690, 127.244



1, 1.090, 128.739

Inverse Universe

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



38, 33.916, 310.698



45, 50.370, 311.174



41, 37.095, 326.022



26, 4.605, 309.124



19, 75.631, 312.018



0, 1.090, 308.737

Previews

White Background



This preview shows how the CIELCh color 52, 32.041, 126.917 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, 32.041, 126.917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

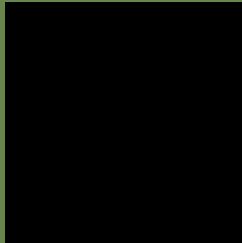
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 32.041, 126.917

Background



This preview shows how black text looks on a background with the CIELCh color 52, 32.041, 126.917.



This preview shows how white text looks on a background with the CIELCh color 52, 32.041, 126.917.

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, 32.041, 126.917

Protanopia
52, 27.854, 96.274

Deuteranopia
52, 25.166, 74.500



Tritanopia
52, 7.054, 254.843

Trichromacy



Original Color
52, 32.041, 126.917

Protanomaly
52, 28.394, 109.250

Deuteranomaly
52, 24.514, 96.449

Tritanomaly
52, 10.221, 150.943

Monochromacy



Original Color
52, 32.041, 126.917

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.670, 127.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 32.041, 126.917 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(106, 132, 79)` looks like.

```
.text, #text, p{  
    color:rgb(106, 132, 79)  
}
```

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(106, 132, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 132, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 32.041, 126.917 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(106, 132, 79) }
```

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

```
.border{ border-color:rgb(106, 132, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 132, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 132, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 132, 79);  
box-shadow:4px 4px 4px 4px rgb(106, 132,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 32.041, 126.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 132, 79) }
```

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

```
.background{ background-color: rgb(106,  
132, 79) }
```

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