

Converting Colors

CIELCh(52, 23.593, 133.298)

Have a look what the booklet for
CIELCh(52, 23.593, 133.298)
contains.

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Color

CIELCh(52, 23.513, 132.841)

Conversions

Conversions Part 1

Format	Color
Hex	6B835E
RGB	107, 131, 94
RGB Percent	42%, 51%, 37%
CMY	0.5806, 0.4865, 0.6316
CMYK	0.18, 0.00, 0.28, 0.49
HSL	99°, 16%, 44%
HSV	99°, 28%, 51%
XYZ	16.1812, 20.1443, 13.6106
YIQ	119.6060, -2.4270, -16.5950

Conversions

Conversions Part 2

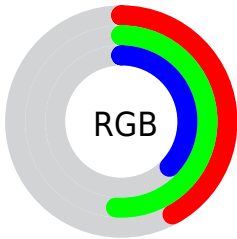
Format	Color
R_{YB}	94, 131, 118
Decimal	7045982
CIE _{Lab}	52.00, -15.99, 17.24
CIE _{LCh}	52, 23.513, 132.841
Yxy	20.1443, 0.3240, 0.4034
Android (android.graphics.Color)	4285236062 (0xFF6B835E)
YUV	119.6060, -12.6238, -11.0555
Hunter-Lab	44.8824, -14.1907, 13.4380

Details

The CIELCh color $52, 23.513, 132.841$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $43, 24.102, 315.255$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 23.242, 132.907$, and $32, 23.569, 133.157$ is the 20% darker color. If you saturate the color by 10%, you get $51, 31.732, 132.342$, and if you desaturate by 10%, it is $53, 15.190, 133.322$.

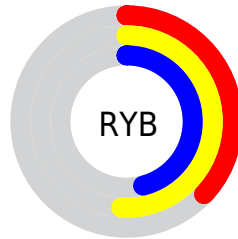
Distribution



Red (42%)

Green (51%)

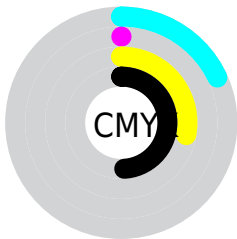
Blue (37%)



Red (37%)

Yellow (51%)

Blue (46%)

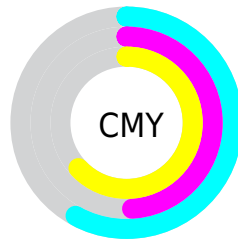


Cyan (18%)

Magenta (0%)

Yellow (28%)

Black (49%)



Cyan (58%)


Magenta (49%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 23.513, 132.841 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, 23.513, 132.841 by changing the saturation by 10% instead.


 52, 23.513,
132.841


 52, 23.513,
132.841


 100, 23.513,
132.841


 42, 23.513,
132.841


 72, 23.513,
132.841


 32, 23.513,
132.841


 82, 23.513,
132.841

 22, 23.513,
132.841

 92, 23.513,
132.841

 12, 23.513,
132.841

 2, 23.513, 132.841

 0, 23.513, 132.841

■ 52, 23.513,
132.841

■ 52, 23.513,
132.841

■ 51, 31.732,
132.342

■ 53, 15.190,
133.322

■ 50, 39.721,
131.845

■ 54, 6.849, 133.772

■ 55, 1.448, 314.070

■ 50, 47.311,
131.395

■ 56, 9.653, 314.499

■ 49, 54.267,
131.062

■ 57, 17.734,
314.820

■ 49, 60.290,
130.945

■ 58, 25.670,
315.100

■ 48, 65.045,
131.161

■ 60, 33.447,
315.344

■ 48, 68.566,
131.651

■ 61, 41.057,
315.556

■ 48, 69.161,

131.707

■ 63, 48.495,
315.740

Harmonies

Complementary

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



52, 23.513, 132.841



43, 24.102, 315.255

Rectangle

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



52, 23.513, 132.841



52, 23.513, 182.841



52, 23.513, 312.841



52, 23.513, 2.841

Sweetspot

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



52, 23.514, 132.842



69, 8.247, 133.775



50, 14.913, 84.835



36, 5.910, 133.716



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, 23.514, 132.842



66, 35.106, 132.517



51, 23.921, 146.357



28, 4.728, 133.733



48, 68.814, 131.698



1, 1.131, 134.088

Inverse Universe

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



43, 24.102, 315.255



53, 36.194, 315.536



45, 23.970, 329.932



26, 4.771, 314.436



22, 73.236, 316.097



0, 1.132, 314.085

Previews

White Background



This preview shows how the CIELCh color 52, 23.513, 132.841 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, 23.513, 132.841 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, 23.513, 132.841

Background



This preview shows how black text looks on a background with the CIELCh color 52, 23.513, 132.841.



This preview shows how white text looks on a background with the CIELCh color 52, 23.513, 132.841.

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](#).

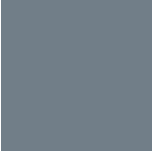
Dichromacy



Original Color
52, 23.513, 132.841

Protanopia
52, 19.398, 95.926

Deuteranopia
52, 17.277, 67.021



Tritanopia
52, 7.483, 250.175

Trichromacy



Original Color
52, 23.513, 132.841

Protanomaly
52, 20.084, 111.335

Deuteranomaly
52, 15.969, 95.568

Tritanomaly
52, 7.882, 167.587

Monochromacy



Original Color
52, 23.513, 132.841

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 8.426, 135.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 23.513, 132.841 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(107, 131, 94)` looks like.

```
.text, #text, p{  
    color:rgb(107, 131, 94)  
}
```

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(107, 131, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 131, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 23.513, 132.841 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(107, 131, 94) }
```

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

```
.border{ border-color:rgb(107, 131, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 131, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 131, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 131, 94);  
box-shadow:4px 4px 4px 4px rgb(107, 131,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 23.513, 132.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 131, 94) }
```

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

```
.background{ background-color: rgb(107,  
131, 94) }
```

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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