

Converting Colors

CIELCh(52, 22.219, 116.203)

Have a look what the booklet for
CIELCh(52, 22.219, 116.203)
contains.

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Color

CIELCh(52, 21.999, 116.480)

Conversions

Conversions Part 1

Format	Color
Hex	78805A
RGB	120, 128, 90
RGB Percent	47%, 50%, 35%
CMY	0.5297, 0.4983, 0.6473
CMYK	0.06, 0.00, 0.30, 0.50
HSL	73°, 17%, 43%
HSV	73°, 30%, 50%
XYZ	17.2879, 20.1443, 12.6344
YIQ	121.2760, 7.4300, -13.5140

Conversions

Conversions Part 2

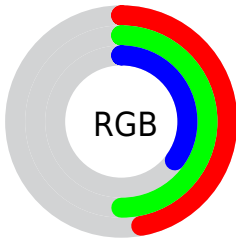
Format	Color
RYB	90, 128, 98
Decimal	7897178
CIELab	52.00, -9.81, 19.69
CIElCh	52, 21.999, 116.480
Yxy	20.1443, 0.3453, 0.4024
Android (android.graphics.Color)	4286087258 (0xFF78805A)
YUV	121.2760, -15.4191, -1.1191
Hunter-Lab	44.8824, -9.7893, 14.7275

Details

The CIELCh color $52, 21.999, 116.480$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $40, 23.426, 300.697$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 22.306, 116.260$, and $32, 21.895, 116.495$ is the 20% darker color. If you saturate the color by 10%, you get $52, 29.184, 115.849$, and if you desaturate by 10%, it is $52, 14.659, 117.135$.

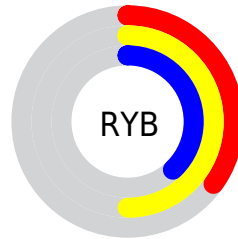
Distribution



Red (47%)

Green (50%)

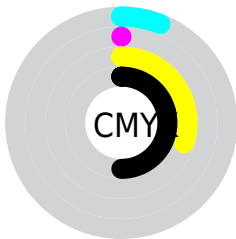
Blue (35%)



Red (35%)

Yellow (50%)

Blue (38%)

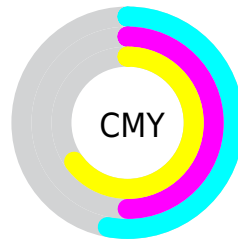


Cyan (6%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (53%)


Magenta (50%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 21.999, 116.480 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, 21.999, 116.480 by changing the saturation by 10% instead.


 52, 21.999,
116.480


 52, 21.999,
116.480


 100, 21.999,
116.480


 42, 21.999,
116.480


 72, 21.999,
116.480

 32, 21.999,
116.480

 82, 21.999,
116.480

 22, 21.999,
116.480

 92, 21.999,
116.480

 12, 21.999,
116.480

 2, 21.999, 116.480

 0, 21.999, 116.480

■ 52, 21.999,
116.480

■ 52, 21.999,
116.480

■ 52, 29.184,
115.849

■ 52, 14.659,
117.135

■ 51, 36.103,
115.264

■ 53, 7.233, 117.786

■ 51, 42.597,
114.770

■ 54, 0.229, 298.372

■ 54, 7.691, 299.031

■ 50, 48.439,
114.425

■ 55, 15.129,
299.615

■ 50, 53.333,
114.308

■ 56, 22.525,
300.166

■ 50, 56.964,
114.502

■ 56, 29.865,
300.684

■ 50, 59.615,
114.925

■ 57, 37.137,
301.168

■ 50, 59.696,

114.936

■ 58, 44.336,
301.619

Harmonies

Complementary

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



52, 21.999, 116.480



40, 23.426, 300.697

Rectangle

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



52, 21.999, 116.480



52, 21.999, 166.480



52, 21.999, 296.480



52, 21.999, 346.480

Sweetspot

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



52, 22.000, 116.483



67, 8.291, 117.818



44, 14.348, 39.203



35, 5.806, 117.737



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, 22.000, 116.483



66, 32.787, 116.028



51, 24.616, 134.380



27, 4.190, 117.825



50, 59.550, 114.932



0, 0.000, 0.000

Inverse Universe

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



40, 23.426, 300.697



48, 35.540, 301.390



42, 25.146, 316.953



24, 4.271, 299.008



14, 78.476, 307.579



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 21.999, 116.480 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, 21.999, 116.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

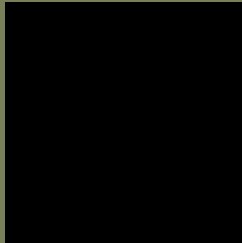
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

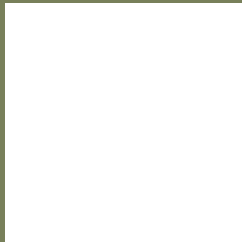
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 21.999, 116.480

Background



This preview shows how black text looks on a background with the CIELCh color 52, 21.999, 116.480.



This preview shows how white text looks on a background with the CIELCh color 52, 21.999, 116.480.

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, 21.999, 116.480

Protanopia

52, 21.070, 96.579

Deuteranopia

52, 19.907, 70.938



Tritanopia
52, 5.377, 303.402

Trichromacy



Original Color
52, 21.999, 116.480

Protanomaly
52, 20.689, 103.856

Deuteranomaly
52, 19.127, 87.519

Tritanomaly
52, 4.644, 114.611

Monochromacy



Original Color
52, 21.999, 116.480

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 8.206, 117.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 21.999, 116.480 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(120, 128, 90)` looks like.

```
.text, #text, p{  
    color:rgb(120, 128, 90)  
}
```

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(120, 128, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 128, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 21.999, 116.480 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(120, 128, 90) }
```

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

```
.border{ border-color:rgb(120, 128, 90) }
```

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

Here you see how a box with a 4 pixel rgb(120, 128, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 128, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 128, 90);  
box-shadow:4px 4px 4px 4px rgb(120, 128,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 21.999, 116.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 128, 90) }
```

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

```
.background{ background-color: rgb(120,  
128, 90) }
```

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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