

Converting Colors

CIELCh(52, 17.737, 116.039)

Have a look what the booklet for
CIELCh(52, 17.737, 116.039)
contains.

CIELCh(52, 17.423, 116.443)	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, 17.423, 116.443)

Conversions

Conversions Part 1

Format	Color
Hex	797F61
RGB	121, 127, 97
RGB Percent	47%, 50%, 38%
CMY	0.5251, 0.5015, 0.6192
CMYK	0.05, 0.00, 0.24, 0.50
HSL	72°, 13%, 44%
HSV	72°, 24%, 50%
XYZ	17.6660, 20.1443, 14.2916
YIQ	121.7860, 6.0540, -10.6020

Conversions

Conversions Part 2

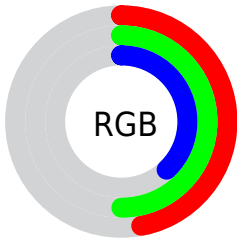
Format	Color
R_{YB}	97, 127, 103
Decimal	7962465
CIE _{Lab}	52.00, -7.76, 15.60
CIE _{LCh}	52, 17.423, 116.443
Y _{xy}	20.1443, 0.3391, 0.3866
Android (android.graphics.Color)	4286152545 (0xFF797F61)
YUV	121.7860, -12.2195, -0.6893
Hunter-Lab	44.8824, -8.2855, 12.5385

Details

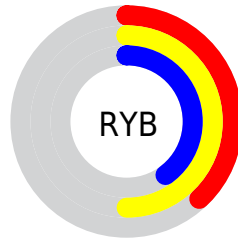
The CIELCh color $52, 17.423, 116.443$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $43, 18.300, 299.779$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 17.444, 116.287$, and $32, 17.641, 116.377$ is the 20% darker color. If you saturate the color by 10%, you get $52, 24.665, 115.788$, and if you desaturate by 10%, it is $52, 10.073, 117.111$.

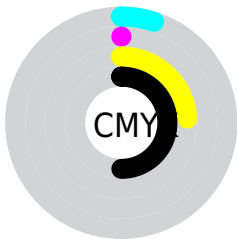
Distribution



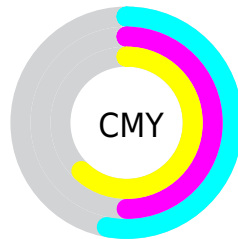
- Red (47%)
- Green (50%)
- Blue (38%)



- Red (38%)
- Yellow (50%)
- Blue (40%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (50%)



- Cyan (53%)
- Magenta (50%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 17.423, 116.443 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, 17.423, 116.443 by changing the saturation by 10% instead.

 52, 17.423,
116.443


 52, 17.423,
116.443

 100, 17.423,
116.443


 42, 17.423,
116.443

 72, 17.423,
116.443

 32, 17.423,
116.443

 82, 17.423,
116.443

 22, 17.423,
116.443

 92, 17.423,
116.443

 12, 17.423,
116.443

 2, 17.423, 116.443

 0, 17.423, 116.443

■ 52, 17.423,
116.443

■ 52, 17.423,
116.443

■ 52, 24.665,
115.788

■ 52, 10.073,
117.111

■ 51, 31.713,
115.158

■ 53, 2.669, 117.767

■ 51, 38.441,
114.590

■ 54, 4.749, 298.396

■ 50, 44.666,
114.132

■ 54, 12.154,
299.004

■ 50, 50.135,
113.850

■ 55, 19.523,
299.580

■ 50, 54.535,
113.823

■ 56, 26.844,
300.123

■ 50, 57.596,
114.124

■ 56, 34.103,
300.632

■ 50, 59.275,

■ 57, 41.293,
301.107

114.367

■ 58, 48.406,
301.549

Harmonies

Complementary

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



52, 17.423, 116.443



43, 18.300, 299.779

Rectangle

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



52, 17.423, 116.443



52, 17.423, 166.443



52, 17.423, 296.443



52, 17.423, 346.443

Sweetspot

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



52, 17.424, 116.446



68, 6.441, 117.535



46, 11.069, 39.166



35, 4.218, 117.506



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, 17.424, 116.446



66, 25.612, 116.111



51, 19.468, 134.692



27, 4.185, 117.408



50, 59.406, 114.370



0, 0.000, 0.000

Inverse Universe

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



43, 18.300, 299.779



53, 27.218, 300.240



44, 19.802, 316.695



24, 4.266, 298.614



14, 78.588, 307.479



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 17.423, 116.443 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, 17.423, 116.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

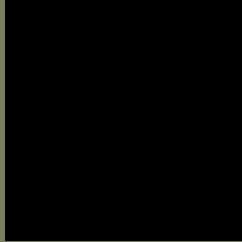
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 17.423, 116.443

Background



This preview shows how black text looks on a background with the CIELCh color 52, 17.423, 116.443.



This preview shows how white text looks on a background with the CIELCh color 52, 17.423, 116.443.

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, 17.423, 116.443

Protanopia

52, 16.507, 95.919

Deuteranopia

52, 16.068, 65.728



Tritanopia
52, 6.046, 305.855

Trichromacy



Original Color
52, 17.423, 116.443

Protanomaly
52, 16.729, 103.578

Deuteranomaly
52, 15.186, 84.710

Tritanomaly
52, 2.891, 109.794

Monochromacy



Original Color
52, 17.423, 116.443

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 6.426, 116.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 17.423, 116.443 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(121, 127, 97)` looks like.

```
.text, #text, p{  
    color:rgb(121, 127, 97)  
}
```

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(121, 127, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 127, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 17.423, 116.443 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(121, 127, 97) }
```

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

```
.border{ border-color:rgb(121, 127, 97) }
```

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

Here you see how a box with a 4 pixel rgb(121, 127, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 127, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 127, 97);  
box-shadow:4px 4px 4px 4px rgb(121, 127,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 17.423, 116.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 127, 97) }
```

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

```
.background{ background-color: rgb(121,  
127, 97) }
```

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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