

Converting Colors

CIELCh(52, 18.747, 103.580)

Have a look what the booklet for
CIELCh(52, 18.747, 103.580)
contains.

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Color

CIELCh(52, 18.431, 103.739)

Conversions

Conversions Part 1

Format	Color
Hex	807D5D
RGB	128, 125, 93
RGB Percent	50%, 49%, 36%
CMY	0.4969, 0.5087, 0.6342
CMYK	0.00, 0.02, 0.27, 0.50
HSL	55°, 16%, 43%
HSV	55°, 27%, 50%
XYZ	18.3015, 20.1443, 13.3418
YIQ	122.2490, 12.0600, -9.3160

Conversions

Conversions Part 2

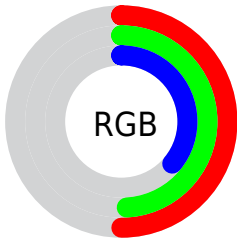
Format	Color
RYB	96, 128, 93
Decimal	8420701
CIELab	52.00, -4.38, 17.90
CIELCh	52, 18.431, 103.739
Yxy	20.1443, 0.3534, 0.3890
Android (android.graphics.Color)	4286610781 (0xFF807D5D)
YUV	122.2490, -14.4198, 5.0436
Hunter-Lab	44.8824, -5.7582, 13.7932

Details

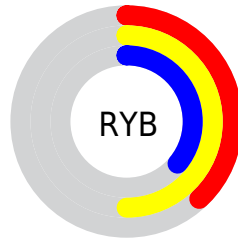
The CIELCh color $52, 18.431, 103.739$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $42, 19.391, 289.795$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 18.396, 104.605$, and $32, 18.080, 103.771$ is the 20% darker color. If you saturate the color by 10%, you get $51, 25.076, 102.724$, and if you desaturate by 10%, it is $53, 11.700, 104.759$.

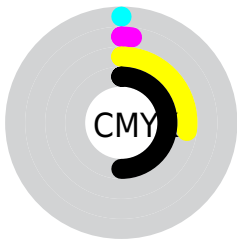
Distribution



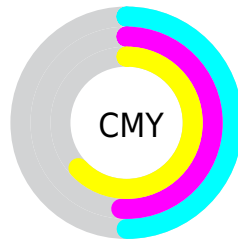
- Red (50%)
- Green (49%)
- Blue (36%)



- Red (38%)
- Yellow (50%)
- Blue (36%)



- Cyan (0%)
- Magenta (2%)
- Yellow (27%)
- Black (50%)





- Cyan (50%)
- Magenta (51%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 18.431, 103.739 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, 18.431, 103.739 by changing the saturation by 10% instead.


 52, 18.431,
103.739


 52, 18.431,
103.739


 100, 18.431,
103.739


 42, 18.431,
103.739


 72, 18.431,
103.739

 32, 18.431,
103.739

 82, 18.431,
103.739

 22, 18.431,
103.739

 92, 18.431,
103.739

 12, 18.431,
103.739

 2, 18.431, 103.739

 0, 18.431, 103.739

■ 52, 18.431,
103.739

■ 52, 18.431,
103.739

■ 51, 25.076,
102.724

■ 53, 11.700,
104.759

■ 51, 31.546,
101.714

■ 53, 4.932, 105.754

■ 50, 37.707,
100.732

■ 54, 1.837, 286.789

■ 55, 8.586, 287.709

■ 50, 43.349, 99.796

■ 55, 15.304,
288.621

■ 50, 48.177, 98.926

■ 56, 21.981,

■ 49, 51.828, 98.139

289.498

■ 49, 54.231, 97.429

■ 57, 28.613,
290.334

■ 49, 54.873, 97.243

■ 58, 35.193,
291.129

■ 59, 41.721,
291.882

Harmonies

Complementary

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



52, 18.431, 103.739



42, 19.391, 289.795

Rectangle

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



52, 18.431, 103.739



52, 18.431, 153.739



52, 18.431, 283.739



52, 18.431, 333.739

Sweetspot

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



52, 18.432, 103.744



67, 6.671, 105.668



43, 15.300, 13.729



35, 4.779, 105.537



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, 18.432, 103.744



66, 27.411, 103.085



52, 20.963, 124.178



27, 3.793, 105.578



48, 54.632, 97.247



0, 0.000, 0.000

Inverse Universe

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



42, 19.391, 289.795



50, 29.258, 290.801



42, 21.916, 306.956



25, 3.858, 287.448



14, 75.606, 304.695



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 18.431, 103.739 looks on a white background.

Color Contrast Check

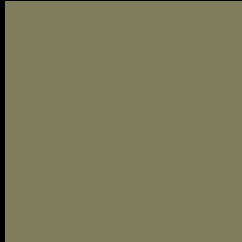
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.431, 103.739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

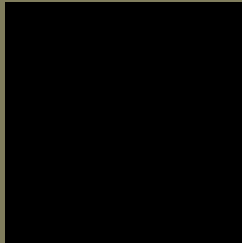
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

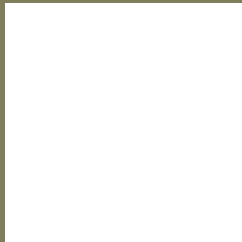
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 18.431, 103.739

Background



This preview shows how black text looks on a background with the CIELCh color 52, 18.431, 103.739.



This preview shows how white text looks on a background with the CIELCh color 52, 18.431, 103.739.

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, 18.431, 103.739

Protanopia

52, 18.282, 95.400

Deuteranopia

52, 18.498, 68.115



Tritanopia
52, 7.803, 332.199

Trichromacy



Original Color
52, 18.431, 103.739

Protanomaly
52, 18.106, 98.126

Deuteranomaly
52, 17.800, 80.038

Tritanomaly
52, 4.690, 57.676

Monochromacy



Original Color
52, 18.431, 103.739

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 6.949, 105.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 18.431, 103.739 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(128, 125, 93)` looks like.

```
.text, #text, p{  
    color:rgb(128, 125, 93)  
}
```

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(128, 125, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 125, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 18.431, 103.739 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(128, 125, 93) }
```

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

```
.border{ border-color:rgb(128, 125, 93) }
```

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

Here you see how a box with a 4 pixel rgb(128, 125, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 125, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 125, 93);  
box-shadow:4px 4px 4px 4px rgb(128, 125,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 18.431, 103.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 125, 93) }
```

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

```
.background{ background-color: rgb(128,  
125, 93) }
```

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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