

Converting Colors

CIELCh(50, 18.396, 104.617)

Have a look what the booklet for
CIELCh(50, 18.396, 104.617)
contains.

CIELCh(50, 17.988, 103.594)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 17.988, 103.594)

Conversions

Conversions Part 1

Format	Color
Hex	7B7859
RGB	123, 120, 89
RGB Percent	48%, 47%, 35%
CMY	0.5170, 0.5288, 0.6504
CMYK	0.00, 0.02, 0.28, 0.52
HSL	55°, 16%, 42%
HSV	55°, 28%, 48%
XYZ	16.7374, 18.4187, 12.1582
YIQ	117.3630, 11.7390, -9.0050

Conversions

Conversions Part 2

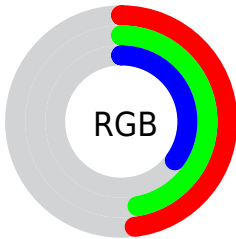
Format	Color
R_{YB}	92, 123, 89
Decimal	8091737
CIE Lab	50.00, -4.23, 17.48
CIE LCh	50, 17.988, 103.594
Yxy	18.4187, 0.3537, 0.3893
Android (android.graphics.Color)	4286281817 (0xFF7B7859)
YUV	117.3630, -13.9830, 4.9436
Hunter-Lab	42.9170, -5.4906, 13.2452

Details

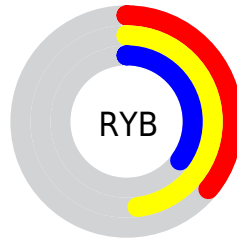
The CIELCh color $50, 17.988, 103.594$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $40, 18.926, 289.714$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 18.001, 103.201$, and $30, 18.219, 103.604$ is the 20% darker color. If you saturate the color by 10%, you get $49, 24.400, 102.580$, and if you desaturate by 10%, it is $51, 11.494, 104.613$.

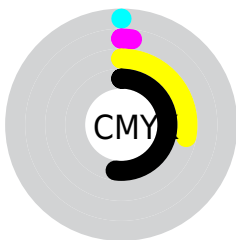
Distribution



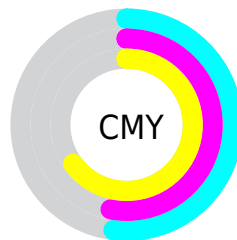
- Red (48%)
- Green (47%)
- Blue (35%)



- Red (36%)
- Yellow (48%)
- Blue (35%)



- Cyan (0%)
- Magenta (2%)
- Yellow (28%)
- Black (52%)





- Cyan (52%)
- Magenta (53%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 17.988, 103.594 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 50, 17.988, 103.594 by changing the saturation by 10% instead.


 50, 17.988,
103.594


 50, 17.988,
103.594


 100, 17.988,
103.594


 40, 17.988,
103.594


 70, 17.988,
103.594

 30, 17.988,
103.594


 80, 17.988,
103.594

 20, 17.988,
103.594

 90, 17.988,
103.594

 10, 17.988,
103.594

 0, 17.988, 103.594

 50, 17.988,
103.594

 50, 17.988,
103.594

■ 49, 24.400,
102.580

■ 51, 11.494,
104.613

■ 49, 30.643,
101.571

■ 51, 4.965, 105.607

■ 48, 36.588,
100.588

■ 52, 1.565, 286.646

■ 53, 8.076, 287.560

■ 48, 42.036, 99.650

■ 53, 14.556,
288.471

■ 48, 46.701, 98.776

■ 54, 20.998,
289.347

■ 47, 50.233, 97.982

■ 47, 52.633, 97.260

■ 55, 27.394,
290.183

■ 47, 53.214, 97.092

■ 56, 33.742,
290.978

■ 56, 40.039,
291.731

Harmonies

Complementary

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



50, 17.988, 103.594



40, 18.926, 289.714

Rectangle

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



50, 17.988, 103.594



50, 17.988, 153.594



50, 17.988, 283.594



50, 17.988, 333.594

Sweetspot

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



50, 17.989, 103.599



65, 6.486, 105.550



41, 14.978, 13.755



34, 4.646, 105.422



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 17.989, 103.599



64, 26.659, 102.967



50, 20.508, 124.167



25, 3.656, 105.465



47, 53.763, 97.082



91, 90.228, 96.746

Inverse Universe

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



40, 18.926, 289.714



49, 28.436, 290.677



40, 21.449, 306.969



23, 3.718, 287.325



14, 74.293, 304.610



33, 128.720, 305.425

Previews

White Background



This preview shows how the CIE LCh color 50, 17.988, 103.594 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 50, 17.988, 103.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

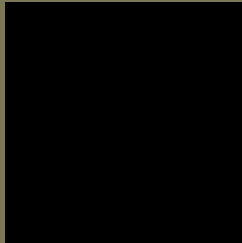
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 17.988, 103.594

Background



This preview shows how black text looks on a background with the CIELCh color 50, 17.988, 103.594.



This preview shows how white text looks on a background with the CIELCh color 50, 17.988, 103.594.

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


50, 17.988, 103.594

Protanopia

50, 17.755, 96.381

Deuteranopia

50, 18.366, 69.031



Tritanopia
50, 7.859, 332.221

Trichromacy



Original Color
50, 17.988, 103.594

Protanomaly
50, 17.669, 97.792

Deuteranomaly
50, 17.205, 80.425

Tritanomaly
50, 4.729, 57.647

Monochromacy



Original Color
50, 17.988, 103.594

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.419, 105.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 17.988, 103.594 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(123, 120, 89)` looks like.

```
.text, #text, p{  
    color:rgb(123, 120, 89)  
}
```

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(123, 120, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 120, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 17.988, 103.594 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(123, 120, 89) }
```

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

```
.border{ border-color:rgb(123, 120, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 120, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 120, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 120, 89);  
box-shadow:4px 4px 4px 4px rgb(123, 120,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 17.988, 103.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 120, 89) }
```

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

```
.background{ background-color: rgb(123,  
120, 89) }
```

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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