

# Converting Colors

CIELCh(52, 20.814, 18.774)

Have a look what the booklet for  
CIELCh(52, 20.814, 18.774) contains.

<b>CIELCh(52, 20.850, 18.797)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(52, 20.850, 18.797)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A06F71
RGB	160, 111, 113
RGB Percent	63%, 44%, 44%
CMY	0.3712, 0.5635, 0.5557
CMYK	0.00, 0.31, 0.29, 0.37
HSL	358°, 21%, 53%
HSV	358°, 31%, 63%
XYZ	23.2810, 20.1443, 18.3751
YIQ	125.8790, 28.5620, 11.0100

# Conversions

## Conversions Part 2

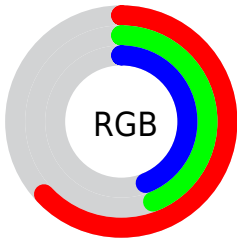
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 111, 113
Decimal	10514289
CIELab	52.00, 19.74, 6.72
CIElCh	52, 20.850, 18.797
Yxy	20.1443, 0.3767, 0.3260
Android (android.graphics.Color)	4288704369 (0xFFA06F71)
YUV	125.8790, -6.3493, 29.9241
Hunter-Lab	44.8824, 14.0455, 7.1440

# Details

The CIELCh color **52, 20.850, 18.797** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **63, 17.257, 194.163**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 20.934, 18.365**, and **32, 20.693, 19.728** is the 20% darker color. If you saturate the color by 10%, you get **48, 28.551, 20.255**, and if you desaturate by 10%, it is **56, 13.555, 17.654**.

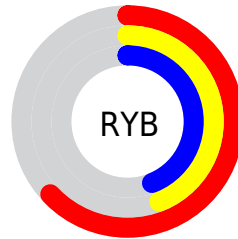
# Distribution



Red (63%)

Green (44%)

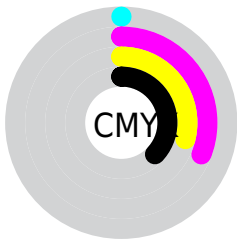
Blue (44%)



Red (63%)

Yellow (44%)

Blue (44%)

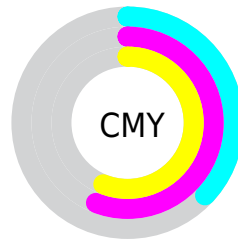


Cyan (0%)

Magenta (31%)

Yellow (29%)

Black (37%)



Cyan (37%)

Magenta (56%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 20.850, 18.797 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, 20.850, 18.797 by changing the saturation by 10% instead.



52, 20.850, 18.797

52, 20.850, 18.797

100, 20.850,  
18.797

42, 20.850, 18.797

72, 20.850, 18.797

32, 20.850, 18.797

82, 20.850, 18.797

22, 20.850, 18.797

92, 20.850, 18.797

12, 20.850, 18.797

2, 20.850, 18.797

0, 20.850, 18.797

52, 20.850, 18.797

52, 20.850, 18.797

48, 28.551, 20.255

56, 13.555, 17.654

44, 36.552, 22.117

61, 6.722, 16.720

40, 44.668, 24.500

66, 0.353, 14.753

37, 52.654, 27.498

70, 5.570, 195.560

35, 60.217, 31.101

75, 11.083,  
195.032

34, 66.939, 35.012

80, 16.225,  
194.612

33, 72.024, 38.059

85, 21.039,  
194.260

90, 25.562,  
193.961

94, 29.604,  
194.306

# Harmonies

# Complementary

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



52, 20.850, 18.797



63, 17.257, 194.163

# Rectangle

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



52, 20.850, 18.797



52, 20.850, 68.797



52, 20.850, 198.797



52, 20.850, 248.797

# Sweetspot

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



52, 20.848, 18.802



79, 7.066, 16.598



53, 33.040, 324.624



41, 4.924, 16.717



92, 0.011, 296.813



44, 0.006, 296.813



# Same Dimension

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



52, 20.848, 18.802



63, 32.043, 19.802



58, 17.172, 66.375



31, 3.536, 16.603



29, 65.710, 37.529



1, 4.483, 16.196





# Inverse Universe

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



52, 20.848, 18.802



63, 32.043, 19.802



56, 15.393, 254.320



31, 3.536, 16.603



29, 65.710, 37.529

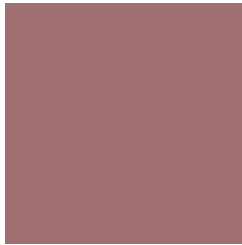


1, 4.483, 16.196



# Previews

## White Background



This preview shows how the CIELCh color 52, 20.850, 18.797 looks on a white background.

## Color Contrast Check

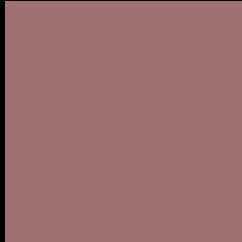
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 52, 20.850, 18.797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

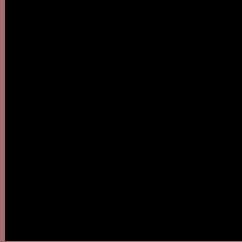
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 52, 20.850, 18.797**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 52, 20.850, 18.797.



This preview shows how white text looks on a background with the CIELCh color 52, 20.850, 18.797.

# 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, 20.850, 18.797

### Protanopia

52, 2.813, 74.599

### Deuteranopia

52, 10.031, 47.522



**Tritanopia**  
52, 21.824, 8.529



# Trichromacy



**Original Color**  
52, 20.850, 18.797

**Protanomaly**  
52, 8.722, 24.118

**Deuteranomaly**  
52, 13.516, 33.055

**Tritanomaly**  
52, 21.723, 11.524

# Monochromacy



**Original Color**  
52, 20.850, 18.797

**Achromatopsia**  
53, 0.007, 296.813

**Achromatomaly**  
52, 6.969, 20.128

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 20.850, 18.797 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(160, 111, 113)` looks like.

```
.text, #text, p{  
    color:rgb(160, 111, 113)  
}
```

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(160, 111, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 111, 113) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 20.850, 18.797 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(160, 111, 113) }
```

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

```
.border{ border-color:rgb(160, 111, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 111, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 111, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 111, 113);  
box-shadow:4px 4px 4px 4px rgb(160, 111,  
113) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 20.850, 18.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 111, 113) }
```

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

```
.background{ background-color: rgb(160,  
111, 113) }
```

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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