

Converting Colors

CIELCh(63, 52.636, 80.878)

Have a look what the booklet for
CIELCh(63, 52.636, 80.878) contains.

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Color

CIELCh(63, 52.667, 80.823)

Conversions

Conversions Part 1

Format	Color
Hex	BF9138
RGB	191, 145, 56
RGB Percent	75%, 57%, 22%
CMY	0.2512, 0.4316, 0.7806
CMYK	0.00, 0.24, 0.71, 0.25
HSL	40°, 55%, 48%
HSV	40°, 71%, 75%
XYZ	32.2994, 31.5869, 8.1287
YIQ	148.6080, 55.9850, -17.9270

Conversions

Conversions Part 2

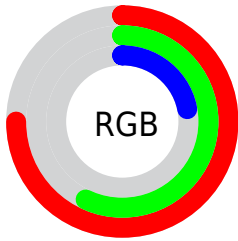
Format	Color
RYB	126, 191, 56
Decimal	12554552
CIELab	63.00, 8.40, 51.99
CIElCh	63, 52.667, 80.823
Yxy	31.5869, 0.4485, 0.4386
Android (android.graphics.Color)	4290744632 (0xFFBF9138)
YUV	148.6080, -45.6557, 37.1778
Hunter-Lab	56.2022, 4.2299, 30.7662

Details

The CIELCh color **63, 52.667, 80.823** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **44, 53.427, 285.837**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 52.637, 80.820**, and **43, 51.308, 80.829** is the 20% darker color. If you saturate the color by 10%, you get **61, 58.948, 79.111**, and if you desaturate by 10%, it is **65, 45.496, 82.374**.

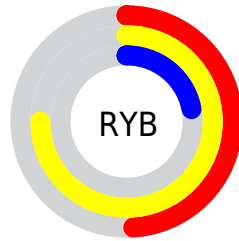
Distribution



Red (75%)

Green (57%)

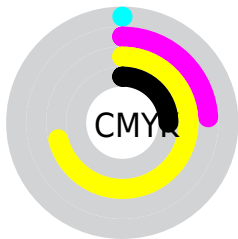
Blue (22%)



Red (49%)

Yellow (75%)

Blue (22%)

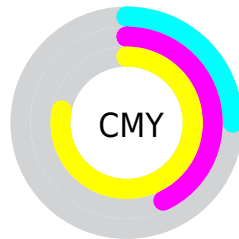


Cyan (0%)

Magenta (24%)

Yellow (71%)

Black (25%)



Cyan (25%)

Magenta (43%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 52.667, 80.823 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 63, 52.667, 80.823 by changing the saturation by 10% instead.

63, 52.667, 80.823

63, 52.667, 80.823

100, 52.667,
80.823

53, 52.667, 80.823

83, 52.667, 80.823

43, 52.667, 80.823

93, 52.667, 80.823

33, 52.667, 80.823

23, 52.667, 80.823

13, 52.667, 80.823

3, 52.667, 80.823

0, 52.667, 80.823

63, 52.667, 80.823

63, 52.667, 80.823

61, 58.948, 79.111

65, 45.496, 82.374

60, 63.623, 77.085

67, 37.928, 83.832

58, 66.373, 74.877

69, 30.248, 85.234

71, 22.608, 86.594

73, 15.083, 87.912

75, 7.707, 89.180

77, 0.490, 89.964

79, 6.570, 271.677

82, 13.481,
272.799

Harmonies

Complementary

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



63, 52.667, 80.823



44, 53.427, 285.837

Rectangle

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



63, 52.667, 80.823



63, 52.667, 130.823



63, 52.667, 260.823



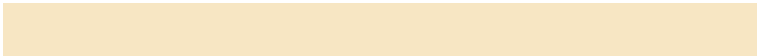
63, 52.667, 310.823

Sweetspot

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



63, 52.667, 80.826



92, 18.896, 87.830



45, 57.023, 4.050



49, 12.933, 87.465



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



63, 52.667, 80.826



77, 75.115, 78.017



74, 66.763, 111.452



39, 4.037, 89.346



49, 57.731, 75.329



7, 10.976, 78.392

Inverse Universe

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



44, 53.427, 285.837



50, 80.682, 291.391



34, 82.047, 304.313



37, 4.033, 271.783



27, 66.787, 295.736



3, 13.384, 278.463

Previews

White Background



This preview shows how the CIELCh color 63, 52.667, 80.823 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 52.667, 80.823 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 ✓ Pass

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

CIELCh 63, 52.667, 80.823

Background



This preview shows how black text looks on a background with the CIELCh color 63, 52.667, 80.823.



This preview shows how white text looks on a background with the CIELCh color 63, 52.667, 80.823.

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

63, 52.667, 80.823

Protanopia

63, 50.740, 95.788

Deuteranopia

63, 52.667, 80.823



Tritanopia
63, 25.085, 9.447

Trichromacy



Original Color
63, 52.667, 80.823

Protanomaly
63, 51.102, 90.018

Deuteranomaly
63, 52.667, 80.823

Tritanomaly
63, 28.769, 51.055

Monochromacy



Original Color
63, 52.667, 80.823

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 19.652, 87.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 52.667, 80.823 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(191, 145, 56)` looks like.

```
.text, #text, p{  
    color:rgb(191, 145, 56)  
}
```

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(191, 145, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 145, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 52.667, 80.823 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(191, 145, 56) }
```

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

```
.border{ border-color:rgb(191, 145, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 145, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 145, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 145, 56);  
box-shadow:4px 4px 4px 4px rgb(191, 145,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 52.667, 80.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 145, 56) }
```

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

```
.background{ background-color: rgb(191,  
145, 56) }
```

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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