

# Converting Colors

CIELCh(60, 54.108, 80.305)

Have a look what the booklet for  
CIELCh(60, 54.108, 80.305) contains.

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**Color**

**CIELCh(60, 54.059, 80.715)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7892D
RGB	183, 137, 45
RGB Percent	72%, 54%, 18%
CMY	0.2826, 0.4629, 0.8237
CMYK	0.00, 0.25, 0.75, 0.28
HSL	40°, 61%, 45%
HSV	40°, 75%, 72%
XYZ	28.9229, 28.1233, 6.3806
YIQ	140.2660, 56.9480, -18.8600

# Conversions

## Conversions Part 2

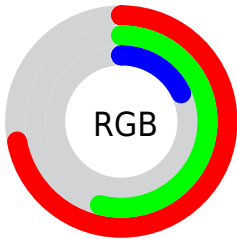
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 183, 45
Decimal	12028205
CIELab	60.00, 8.72, 53.35
CIELCh	60, 54.059, 80.715
Yxy	28.1233, 0.4560, 0.4434
Android (android.graphics.Color)	4290218285 (0xFFB7892D)
YUV	140.2660, -46.9661, 37.4777
Hunter-Lab	53.0314, 4.5473, 29.9884

# Details

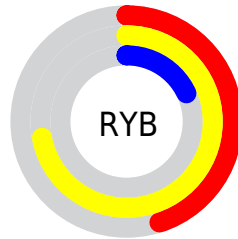
The CIELCh color **60, 54.059, 80.715** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **40, 55.971, 287.892**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 53.917, 80.825**, and **40, 49.134, 78.813** is the 20% darker color. If you saturate the color by 10%, you get **58, 59.477, 78.908**, and if you desaturate by 10%, it is **62, 47.474, 82.314**.

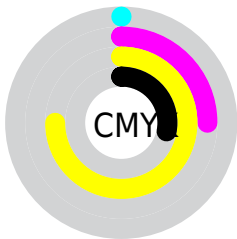
# Distribution



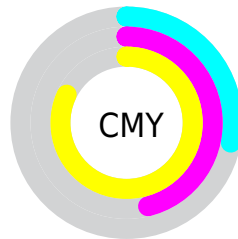
- Red (72%)
- Green (54%)
- Blue (18%)



- Red (45%)
- Yellow (72%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (75%)
- Black (28%)



- Cyan (28%)
- Magenta (46%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 54.059, 80.715 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 60, 54.059, 80.715 by changing the saturation by 10% instead.



60, 54.059, 80.715

60, 54.059, 80.715

100, 54.059,  
80.715

50, 54.059, 80.715

80, 54.059, 80.715

40, 54.059, 80.715

90, 54.059, 80.715

30, 54.059, 80.715

20, 54.059, 80.715

10, 54.059, 80.715

0, 54.059, 80.715

60, 54.059, 80.715

60, 54.059, 80.715

58, 59.477, 78.908

62, 47.474, 82.314

57, 63.019, 76.719

64, 40.300, 83.796

56, 64.315, 75.673

65, 32.897, 85.211

67, 25.464, 86.582

69, 18.105, 87.912

71, 10.871, 89.198

73, 3.781, 90.411

75, 3.161, 271.748

77, 9.960, 272.857

# Harmonies

# Complementary

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



60, 54.059, 80.715



40, 55.971, 287.892

# Rectangle

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



60, 54.059, 80.715



60, 54.059, 130.715



60, 54.059, 260.715



60, 54.059, 310.715

# Sweetspot

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



60, 54.058, 80.718



88, 20.177, 88.179



42, 57.725, 6.873



46, 14.130, 87.707



97, 0.011, 296.813



50, 0.007, 296.813



# Same Dimension

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



60, 54.058, 80.718



73, 75.566, 77.409



71, 67.691, 112.176



38, 3.975, 89.952



48, 57.072, 76.062



6, 9.683, 80.344





# Inverse Universe

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



40, 55.971, 287.892



44, 85.024, 294.006



31, 84.362, 305.203



36, 3.975, 272.370



26, 66.690, 296.111



3, 11.814, 277.746



# Previews

## White Background



This preview shows how the CIELCh color 60, 54.059, 80.715 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 60, 54.059, 80.715 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 60, 54.059, 80.715

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 54.059, 80.715.



This preview shows how white text looks on a background with the CIELCh color 60, 54.059, 80.715.

# 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

60, 54.059, 80.715

### Protanopia

60, 52.047, 95.509

### Deuteranopia

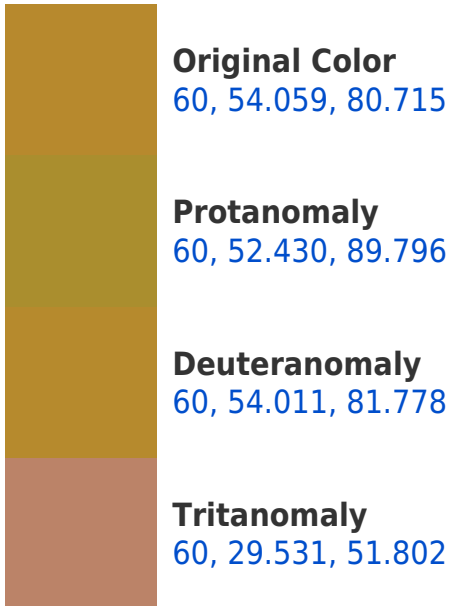
60, 54.011, 81.778



**Tritanopia**  
60, 25.350, 9.628



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 54.059, 80.715 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(183, 137, 45)` looks like.

```
.text, #text, p{  
    color:rgb(183, 137, 45)  
}
```

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(183, 137, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 137, 45) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 54.059, 80.715 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(183, 137, 45) }
```

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

```
.border{ border-color:rgb(183, 137, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 137, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 137, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 137, 45);  
box-shadow:4px 4px 4px 4px rgb(183, 137,  
45) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 54.059, 80.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 137, 45) }
```

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

```
.background{ background-color: rgb(183,  
137, 45) }
```

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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