

Converting Colors

CIELCh(64, 58.125, 82.592)

Have a look what the booklet for
CIELCh(64, 58.125, 82.592) contains.

CIELCh(64, 58.109, 82.517)	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(64, 58.109, 82.517)

Conversions

Conversions Part 1

Format	Color
Hex	C2942D
RGB	194, 148, 45
RGB Percent	76%, 58%, 18%
CMY	0.2396, 0.4199, 0.8238
CMYK	0.00, 0.24, 0.77, 0.24
HSL	41°, 62%, 47%
HSV	41°, 77%, 76%
XYZ	33.2750, 32.8017, 7.0517
YIQ	150.0120, 60.4790, -22.2810

Conversions

Conversions Part 2

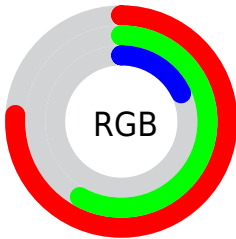
Format	Color
R _Y B	112, 194, 45
Decimal	12751917
CIE Lab	64.00, 7.57, 57.61
CIE LCh	64, 58.109, 82.517
Yxy	32.8017, 0.4550, 0.4485
Android (android.graphics.Color)	4290941997 (0xFFC2942D)
YUV	150.0120, -51.7709, 38.5775
Hunter-Lab	57.2727, 3.4799, 32.7909

Details

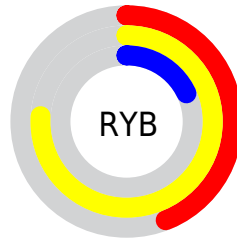
The CIELCh color **64, 58.109, 82.517** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **41, 62.230, 290.097**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 58.252, 82.726**, and **44, 52.213, 81.345** is the 20% darker color. If you saturate the color by 10%, you get **62, 63.345, 80.723**, and if you desaturate by 10%, it is **66, 51.451, 84.106**.

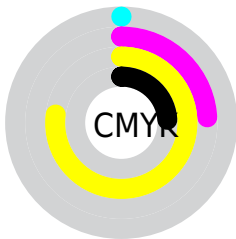
Distribution



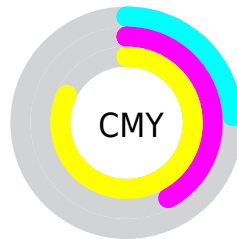
- Red (76%)
- Green (58%)
- Blue (18%)



- Red (44%)
- Yellow (76%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (77%)
- Black (24%)



- Cyan (24%)
- Magenta (42%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 58.109, 82.517 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 64, 58.109, 82.517 by changing the saturation by 10% instead.

64, 58.109, 82.517

64, 58.109, 82.517

100, 58.109,
82.517

54, 58.109, 82.517

84, 58.109, 82.517

44, 58.109, 82.517

94, 58.109, 82.517

34, 58.109, 82.517

24, 58.109, 82.517

14, 58.109, 82.517

4, 58.109, 82.517

0, 58.109, 82.517

64, 58.109, 82.517

64, 58.109, 82.517

62, 63.345, 80.723

66, 51.451, 84.106

61, 66.496, 78.574

67, 44.020, 85.579

60, 67.317, 77.874

69, 36.240, 86.987

71, 28.358, 88.351

73, 20.506, 89.676

75, 12.752, 90.958

77, 5.125, 92.180

79, 2.363, 273.518

81, 9.713, 274.601

Harmonies

Complementary

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



64, 58.109, 82.517



41, 62.230, 290.097

Rectangle

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



64, 58.109, 82.517



64, 58.109, 132.517



64, 58.109, 262.517



64, 58.109, 312.517

Sweetspot

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



64, 58.108, 82.520



93, 21.710, 90.126



44, 61.245, 8.861



49, 15.196, 89.648



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 58.108, 82.520



78, 80.079, 79.341



74, 71.927, 112.982



40, 4.260, 91.880



51, 58.590, 78.275



8, 12.812, 81.685

Inverse Universe

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



41, 62.230, 290.097



45, 94.129, 295.898



32, 89.859, 305.684



38, 4.270, 274.278



26, 71.151, 297.545



3, 15.389, 280.956

Previews

White Background



This preview shows how the CIELCh color 64, 58.109, 82.517 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 64, 58.109, 82.517 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 64, 58.109, 82.517

Background



This preview shows how black text looks on a background with the CIELCh color 64, 58.109, 82.517.



This preview shows how white text looks on a background with the CIELCh color 64, 58.109, 82.517.

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

64, 58.109, 82.517

Protanopia

64, 56.539, 95.647

Deuteranopia

64, 58.146, 81.540



Tritanopia
64, 25.874, 8.697

Trichromacy



Original Color
64, 58.109, 82.517

Protanomaly
64, 56.744, 90.889

Deuteranomaly
64, 58.146, 81.540

Tritanomaly
64, 30.411, 55.028

Monochromacy



Original Color
64, 58.109, 82.517

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 21.877, 88.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 58.109, 82.517 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(194, 148, 45)` looks like.

```
.text, #text, p{  
    color:rgb(194, 148, 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(194, 148, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 148, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 58.109, 82.517 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(194, 148, 45) }
```

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

```
.border{ border-color:rgb(194, 148, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 148, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 148, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 148, 45);  
box-shadow:4px 4px 4px 4px rgb(194, 148,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 58.109, 82.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 148, 45) }
```

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

```
.background{ background-color: rgb(194,  
148, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor