

Converting Colors

CIELCh(57, 64.543, 54.745)

Have a look what the booklet for
CIELCh(57, 64.543, 54.745) contains.

CIELCh(57, 64.475, 54.875)	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(57, 64.475, 54.875)

Conversions

Conversions Part 1

Format	Color
Hex	D56C2B
RGB	213, 108, 43
RGB Percent	84%, 42%, 17%
CMY	0.1662, 0.5777, 0.8326
CMYK	0.00, 0.49, 0.80, 0.17
HSL	23°, 67%, 50%
HSV	23°, 80%, 83%
XYZ	33.0931, 24.9227, 5.3226
YIQ	131.9850, 83.4450, 2.0450

Conversions

Conversions Part 2

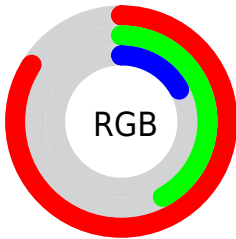
Format	Color
R_{YB}	213, 148, 43
Decimal	13986859
CIE Lab	57.00, 37.10, 52.73
CIE LCh	57, 64.475, 54.875
Yxy	24.9227, 0.5225, 0.3935
Android (android.graphics.Color)	4292176939 (0xFFD56C2B)
YUV	131.9850, -43.8696, 71.0502
Hunter-Lab	49.9226, 30.9608, 28.6245

Details

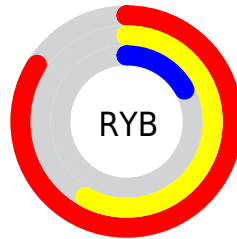
The CIELCh color **57, 64.475, 54.875** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **58, 42.066, 260.629**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 57.103, 59.670**, and **37, 61.136, 52.539** is the 20% darker color. If you saturate the color by 10%, you get **54, 72.620, 53.581**, and if you desaturate by 10%, it is **60, 55.384, 55.759**.

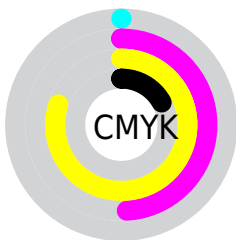
Distribution



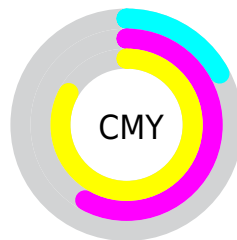
- Red (84%)
- Green (42%)
- Blue (17%)



- Red (84%)
- Yellow (58%)
- Blue (17%)



- Cyan (0%)
- Magenta (49%)
- Yellow (80%)
- Black (17%)



- Cyan (17%)
- Magenta (58%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 64.475, 54.875 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 57, 64.475, 54.875 by changing the saturation by 10% instead.

■ 57, 64.475, 54.875

■ 57, 64.475, 54.875

■ 100, 64.475,
54.875

■ 47, 64.475, 54.875

■ 77, 64.475, 54.875

■ 37, 64.475, 54.875

■ 87, 64.475, 54.875

■ 27, 64.475, 54.875

■ 97, 64.475, 54.875

■ 17, 64.475, 54.875

■ 7, 64.475, 54.875

■ 0, 64.475, 54.875

■ 57, 64.475, 54.875

■ 57, 64.475, 54.875

■ 54, 72.620, 53.581

■ 60, 55.384, 55.759

■ 52, 78.981, 51.661

■ 63, 46.186, 56.515

52, 79.033, 51.648

67, 37.279, 57.275

70, 28.828, 58.081

74, 20.884, 58.939

77, 13.444, 59.837

81, 6.478, 60.743

85, 0.057, 250.121

89, 6.205, 242.825

Harmonies

Complementary

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



57, 64.475, 54.875



58, 42.066, 260.629

Rectangle

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



57, 64.475, 54.875



57, 64.475, 104.875



57, 64.475, 234.875



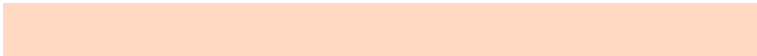
57, 64.475, 284.875

Sweetspot

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



57, 64.473, 54.878



89, 19.045, 59.444



50, 73.864, 345.746



46, 13.244, 59.122



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 64.473, 54.878



63, 88.438, 52.143



77, 70.914, 95.366



43, 3.722, 60.786



42, 66.804, 52.232



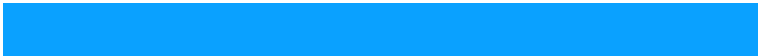
8, 17.527, 45.754

Inverse Universe

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



58, 42.066, 260.629



64, 55.907, 268.917



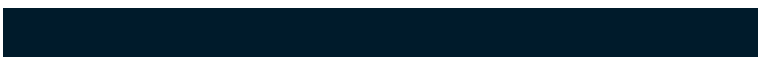
36, 89.067, 299.851



43, 3.577, 242.848



43, 41.962, 269.539



9, 14.479, 258.141

Previews

White Background



This preview shows how the CIELCh color 57, 64.475, 54.875 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 57, 64.475, 54.875 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 57, 64.475, 54.875

Background



This preview shows how black text looks on a background with the CIELCh color 57, 64.475, 54.875.



This preview shows how white text looks on a background with the CIELCh color 57, 64.475, 54.875.

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

57, 64.475, 54.875

Protanopia

57, 47.258, 96.065

Deuteranopia

57, 54.561, 81.881



Tritanopia
57, 49.167, 21.481

Trichromacy



Original Color
57, 64.475, 54.875

Protanomaly
57, 49.556, 77.345

Deuteranomaly
57, 56.296, 70.796

Tritanomaly
57, 52.894, 36.544

Monochromacy



Original Color
57, 64.475, 54.875

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 21.614, 57.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 64.475, 54.875 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(213, 108, 43)` looks like.

```
.text, #text, p{  
    color:rgb(213, 108, 43)  
}
```

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(213, 108, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 108, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 64.475, 54.875 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(213, 108, 43) }
```

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

```
.border{ border-color:rgb(213, 108, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 108, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 108, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 108, 43);  
box-shadow:4px 4px 4px 4px rgb(213, 108,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 64.475, 54.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 108, 43) }
```

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

```
.background{ background-color: rgb(213,  
108, 43) }
```

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