

Converting Colors

CIELCh(52, 56.856, 47.600)

Have a look what the booklet for
CIELCh(52, 56.856, 47.600) contains.

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Color

CIELCh(52, 56.856, 47.600)

Conversions

Conversions Part 1

Format	Color
Hex	C55E35
RGB	197, 94, 53
RGB Percent	77%, 37%, 21%
CMY	0.2273, 0.6312, 0.7920
CMYK	0.00, 0.52, 0.73, 0.23
HSL	17°, 58%, 49%
HSV	17°, 73%, 77%
XYZ	27.6853, 20.1443, 5.8008
YIQ	120.1230, 74.5490, 9.0850

Conversions

Conversions Part 2

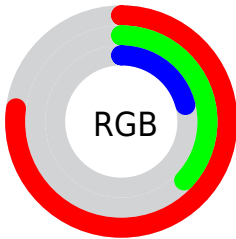
Format	Color
R _Y B	197, 110, 53
Decimal	12934709
CIE Lab	52.00, 38.34, 41.99
CIE LCh	52, 56.856, 47.600
Yxy	20.1443, 0.5162, 0.3756
Android (android.graphics.Color)	4291124789 (0xFFC55E35)
YUV	120.1230, -33.0916, 67.4211
Hunter-Lab	44.8824, 31.5618, 23.7548

Details

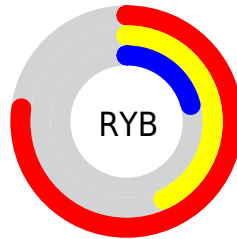
The CIELCh color **52, 56.856, 47.600** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **60, 33.511, 241.941**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 55.307, 47.780**, and **32, 57.001, 47.425** is the 20% darker color. If you saturate the color by 10%, you get **49, 65.984, 47.592**, and if you desaturate by 10%, it is **55, 47.580, 47.540**.

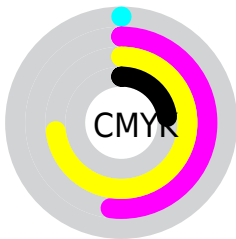
Distribution



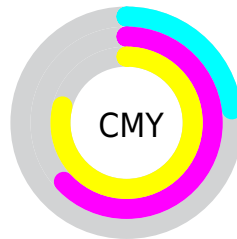
- Red (77%)
- Green (37%)
- Blue (21%)



- Red (77%)
- Yellow (43%)
- Blue (21%)



- Cyan (0%)
- Magenta (52%)
- Yellow (73%)
- Black (23%)



- Cyan (23%)
- Magenta (63%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 56.856, 47.600 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, 56.856, 47.600 by changing the saturation by 10% instead.

52, 56.856, 47.600

52, 56.856, 47.600

100, 56.856,
47.600

42, 56.856, 47.600

72, 56.856, 47.600

32, 56.856, 47.600

82, 56.856, 47.600

22, 56.856, 47.600

92, 56.856, 47.600

12, 56.856, 47.600

2, 56.856, 47.600

0, 56.856, 47.600

52, 56.856, 47.600

52, 56.856, 47.600

49, 65.984, 47.592

55, 47.580, 47.540

47, 73.993, 47.110

59, 38.618, 47.563

45, 78.625, 46.574

62, 30.156, 47.719

66, 22.260, 48.004

70, 14.931, 48.399

74, 8.141, 48.866

78, 1.847, 49.217

82, 4.003, 230.229

87, 9.456, 230.798

Harmonies

Complementary

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



52, 56.856, 47.600



60, 33.511, 241.941

Rectangle

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



52, 56.856, 47.600



52, 56.856, 97.600



52, 56.856, 227.600



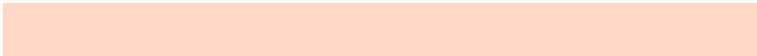
52, 56.856, 277.600

Sweetspot

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



52, 56.854, 47.603



89, 17.491, 48.432



48, 69.929, 339.757



46, 11.880, 48.312



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 56.854, 47.603



61, 86.482, 47.384



69, 59.430, 90.351



40, 3.505, 49.042



37, 68.019, 47.019



5, 13.641, 36.890

Inverse Universe

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



60, 33.511, 241.941



73, 45.377, 248.416



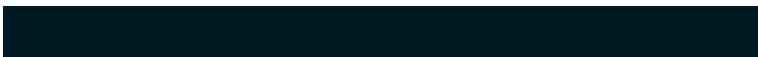
40, 68.168, 294.118



40, 3.329, 230.403



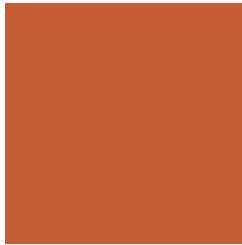
46, 34.135, 252.710



8, 11.276, 242.046

Previews

White Background



This preview shows how the CIELCh color 52, 56.856, 47.600 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 52, 56.856, 47.600 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, 56.856, 47.600

Background



This preview shows how black text looks on a background with the CIELCh color 52, 56.856, 47.600.



This preview shows how white text looks on a background with the CIELCh color 52, 56.856, 47.600.

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, 56.856, 47.600

Protanopia

52, 35.927, 95.912

Deuteranopia

52, 43.850, 80.999



Tritanopia
52, 48.006, 22.371

Trichromacy



Original Color
52, 56.856, 47.600

Protanomaly
52, 38.761, 72.375

Deuteranomaly
52, 46.357, 66.066

Tritanomaly
52, 49.785, 32.803

Monochromacy



Original Color
52, 56.856, 47.600

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 18.793, 48.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 56.856, 47.600 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(197, 94, 53)` looks like.

```
.text, #text, p{  
    color:rgb(197, 94, 53)  
}
```

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(197, 94, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 94, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 56.856, 47.600 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(197, 94, 53) }
```

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

```
.border{ border-color:rgb(197, 94, 53) }
```

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

Here you see how a box with a 4 pixel rgb(197, 94, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 94, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 94, 53);  
box-shadow:4px 4px 4px 4px rgb(197, 94,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 56.856, 47.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 94, 53) }
```

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

```
.background{ background-color: rgb(197, 94,  
53) }
```

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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