

Converting Colors

CIELCh(53, 57.823, 53.416)

Have a look what the booklet for
CIELCh(53, 57.823, 53.416) contains.

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Color

CIELCh(53, 57.919, 53.391)

Conversions

Conversions Part 1

Format	Color
Hex	C4642E
RGB	196, 100, 46
RGB Percent	77%, 39%, 18%
CMY	0.2314, 0.6078, 0.8196
CMYK	0.00, 0.49, 0.77, 0.23
HSL	22°, 62%, 47%
HSV	22°, 77%, 77%
XYZ	27.8139, 21.0462, 5.1807
YIQ	122.5480, 74.5500, 3.5580

Conversions

Conversions Part 2

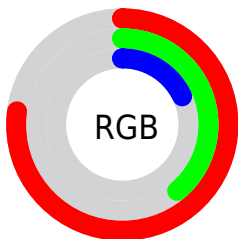
Format	Color
R _Y B	196, 130, 46
Decimal	12870702
CIE Lab	53.00, 34.54, 46.49
CIE LCh	53, 57.919, 53.391
Yxy	21.0462, 0.5147, 0.3894
Android (android.graphics.Color)	4291060782 (0xFFC4642E)
YUV	122.5480, -37.7382, 64.4174
Hunter-Lab	45.8761, 27.9382, 25.4177

Details

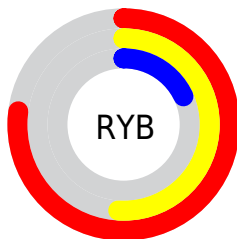
The CIELCh color **53, 57.919, 53.391** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **56, 37.026, 255.599**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 56.983, 53.839**, and **33, 56.561, 52.015** is the 20% darker color. If you saturate the color by 10%, you get **50, 66.206, 52.510**, and if you desaturate by 10%, it is **56, 49.148, 54.021**.

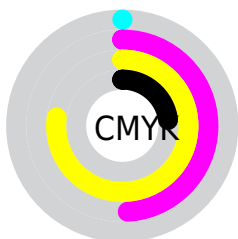
Distribution



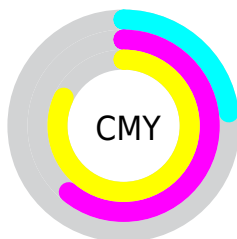
- Red (77%)
- Green (39%)
- Blue (18%)



- Red (77%)
- Yellow (51%)
- Blue (18%)



- Cyan (0%)
- Magenta (49%)
- Yellow (77%)
- Black (23%)



- Cyan (23%)
- Magenta (61%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 57.919, 53.391 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 53, 57.919, 53.391 by changing the saturation by 10% instead.

■ 53, 57.919, 53.391

■ 53, 57.919, 53.391

■ 100, 57.919,
53.391

■ 43, 57.919, 53.391

■ 73, 57.919, 53.391

■ 33, 57.919, 53.391

■ 83, 57.919, 53.391

■ 23, 57.919, 53.391

■ 93, 57.919, 53.391

■ 13, 57.919, 53.391

■ 3, 57.919, 53.391

■ 0, 57.919, 53.391

■ 53, 57.919, 53.391

■ 53, 57.919, 53.391

■ 50, 66.206, 52.510

■ 56, 49.148, 54.021

■ 48, 72.961, 50.965

■ 59, 40.491, 54.609

47, 75.157, 50.485

62, 32.212, 55.242

66, 24.412, 55.944

69, 17.113, 56.710

73, 10.298, 57.519

77, 3.932, 58.312

80, 2.030, 239.548

84, 7.630, 240.278

Harmonies

Complementary

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



53, 57.919, 53.391



56, 37.026, 255.599

Rectangle

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



53, 57.919, 53.391



53, 57.919, 103.391



53, 57.919, 233.391



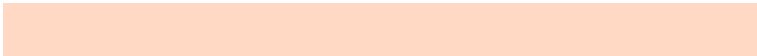
53, 57.919, 283.391

Sweetspot

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



53, 57.917, 53.394



89, 18.166, 56.963



47, 68.567, 344.035



46, 12.736, 56.670



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 57.917, 53.394



63, 86.664, 51.525



71, 63.940, 94.645



39, 3.414, 58.101



39, 64.522, 51.037



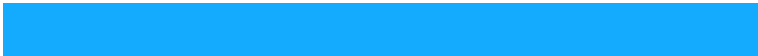
5, 11.655, 44.019

Inverse Universe

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



56, 37.026, 255.599



67, 51.977, 263.413



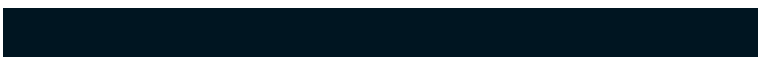
36, 77.939, 298.158



39, 3.273, 240.008



42, 38.268, 265.851



6, 11.078, 254.181

Previews

White Background



This preview shows how the CIELCh color 53, 57.919, 53.391 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 53, 57.919, 53.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

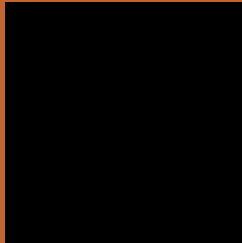
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 57.919, 53.391

Background



This preview shows how black text looks on a background with the CIELCh color 53, 57.919, 53.391.



This preview shows how white text looks on a background with the CIELCh color 53, 57.919, 53.391.

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

53, 57.919, 53.391

Protanopia

53, 40.924, 95.786

Deuteranopia

53, 48.254, 82.130



Tritanopia
53, 45.449, 20.877

Trichromacy



Original Color
53, 57.919, 53.391

Protanomaly
52, 43.348, 76.137

Deuteranomaly
53, 49.960, 70.001

Tritanomaly
53, 48.150, 35.075

Monochromacy



Original Color
53, 57.919, 53.391

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 19.656, 56.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 57.919, 53.391 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(196, 100, 46)` looks like.

```
.text, #text, p{  
    color:rgb(196, 100, 46)  
}
```

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(196, 100, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 100, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 57.919, 53.391 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(196, 100, 46) }
```

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

```
.border{ border-color:rgb(196, 100, 46) }
```

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

Here you see how a box with a 4 pixel rgb(196, 100, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 100, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 100, 46);  
box-shadow:4px 4px 4px 4px rgb(196, 100,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 57.919, 53.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 100, 46) }
```

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

```
.background{ background-color: rgb(196,  
100, 46) }
```

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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