

Converting Colors

CIELCh(53, 53.483, 46.626)

Have a look what the booklet for
CIELCh(53, 53.483, 46.626) contains.

CIELCh(53, 53.384, 46.570)	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(53, 53.384, 46.570)

Conversions

Conversions Part 1

Format	Color
Hex	C5623D
RGB	197, 98, 61
RGB Percent	77%, 38%, 24%
CMY	0.2261, 0.6145, 0.7597
CMYK	0.00, 0.50, 0.69, 0.23
HSL	16°, 54%, 51%
HSV	16°, 69%, 77%
XYZ	28.3603, 21.0462, 7.0202
YIQ	123.3830, 70.8810, 9.4810

Conversions

Conversions Part 2

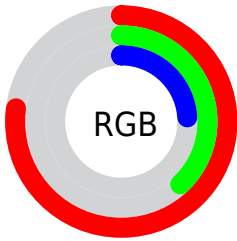
Format	Color
RYB	197, 112, 61
Decimal	12935741
CIELab	53.00, 36.70, 38.77
CIELCh	53, 53.384, 46.570
Yxy	21.0462, 0.5026, 0.3730
Android (android.graphics.Color)	4291125821 (0xFFC5623D)
YUV	123.3830, -30.7548, 64.5621
Hunter-Lab	45.8761, 30.0643, 23.0404

Details

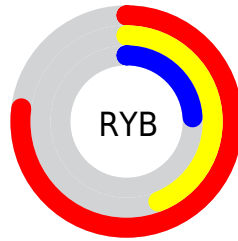
The CIELCh color **53, 53.384, 46.570** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **62, 32.152, 238.457**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 51.928, 47.357**, and **33, 53.125, 46.655** is the 20% darker color. If you saturate the color by 10%, you get **50, 62.738, 46.756**, and if you desaturate by 10%, it is **56, 44.123, 46.420**.

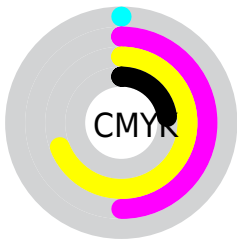
Distribution



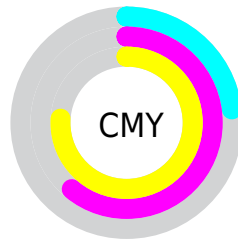
- Red (77%)
- Green (38%)
- Blue (24%)



- Red (77%)
- Yellow (44%)
- Blue (24%)



- Cyan (0%)
- Magenta (50%)
- Yellow (69%)
- Black (23%)



- Cyan (23%)
- Magenta (61%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 53.384, 46.570 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, 53.384, 46.570 by changing the saturation by 10% instead.

 53, 53.384, 46.570

 53, 53.384, 46.570

 100, 53.384,
46.570

 43, 53.384, 46.570

 73, 53.384, 46.570

 33, 53.384, 46.570

 83, 53.384, 46.570

 23, 53.384, 46.570

 93, 53.384, 46.570

 13, 53.384, 46.570

 3, 53.384, 46.570

 0, 53.384, 46.570

 53, 53.384, 46.570

 53, 53.384, 46.570

 50, 62.738, 46.756

 56, 44.123, 46.420

 47, 71.458, 46.683

 60, 35.281, 46.397

45, 78.504, 46.031

64, 26.985, 46.521

45, 79.235, 46.017

68, 19.270, 46.778

72, 12.123, 47.140

76, 5.507, 47.554

80, 0.624, 228.999

84, 6.322, 228.832

89, 11.635,
229.397

Harmonies

Complementary

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



53, 53.384, 46.570



62, 32.152, 238.457

Rectangle

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



53, 53.384, 46.570



53, 53.384, 96.570



53, 53.384, 226.570



53, 53.384, 276.570

Sweetspot

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



53, 53.382, 46.573



89, 16.694, 47.047



49, 68.258, 338.439



46, 11.426, 46.942



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, 53.382, 46.573



62, 81.891, 46.779



69, 56.134, 89.676



40, 3.516, 47.537



37, 68.466, 46.451



5, 13.710, 36.004

Inverse Universe

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



62, 32.152, 238.457



75, 43.562, 243.883



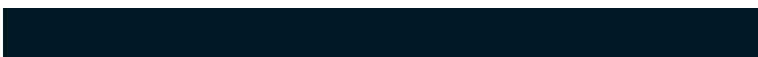
43, 62.518, 292.005



41, 3.335, 228.793



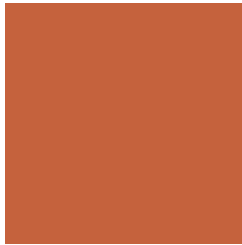
47, 33.552, 250.237



8, 11.211, 239.728

Previews

White Background



This preview shows how the CIELCh color 53, 53.384, 46.570 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, 53.384, 46.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

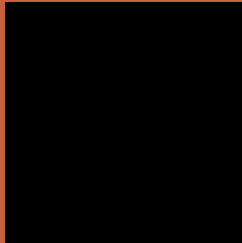
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 53.384, 46.570

Background



This preview shows how black text looks on a background with the CIELCh color 53, 53.384, 46.570.



This preview shows how white text looks on a background with the CIELCh color 53, 53.384, 46.570.

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, 53.384, 46.570

Protanopia

53, 32.217, 95.472

Deuteranopia

53, 40.750, 80.619



Tritanopia
53, 45.566, 21.577

Trichromacy



Original Color
53, 53.384, 46.570

Protanomaly
53, 35.955, 71.289

Deuteranomaly
53, 43.274, 65.466

Tritanomaly
53, 46.935, 32.028

Monochromacy



Original Color
53, 53.384, 46.570

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 17.918, 47.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 53.384, 46.570 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, 98, 61)` looks like.

```
.text, #text, p{  
    color:rgb(197, 98, 61)  
}
```

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, 98, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 98, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 53.384, 46.570 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, 98, 61) }
```

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

```
.border{ border-color:rgb(197, 98, 61) }
```

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

Here you see how a box with a 4 pixel rgb(197, 98, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 98, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 98, 61);  
box-shadow:4px 4px 4px 4px rgb(197, 98,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 53.384, 46.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 98, 61) }
```

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

```
.background{ background-color: rgb(197, 98,  
61) }
```

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