

Converting Colors

CIELCh(58, 70.086, 54.076)

Have a look what the booklet for
CIELCh(58, 70.086, 54.076) contains.

CIELCh(58, 70.397, 53.953)	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(58, 70.397, 53.953)

Conversions

Conversions Part 1

Format	Color
Hex	DE6A24
RGB	222, 106, 36
RGB Percent	87%, 42%, 14%
CMY	0.1295, 0.5843, 0.8589
CMYK	0.00, 0.52, 0.84, 0.13
HSL	23°, 74%, 51%
HSV	23°, 84%, 87%
XYZ	35.5917, 25.9610, 4.8032
YIQ	132.7040, 91.6060, 2.8220

Conversions

Conversions Part 2

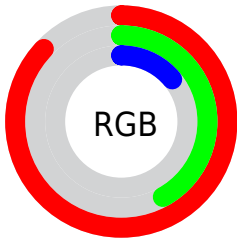
Format	Color
R_{YB}	222, 148, 36
Decimal	14576164
CIE _{Lab}	58.00, 41.43, 56.92
CIE _{LCh}	58, 70.397, 53.953
Yxy	25.9610, 0.5364, 0.3912
Android (android.graphics.Color)	4292766244 (0xFFDE6A24)
YUV	132.7040, -47.6751, 78.3126
Hunter-Lab	50.9519, 35.5226, 30.0771

Details

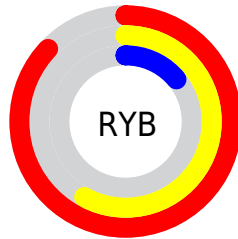
The CIELCh color **58, 70.397, 53.953** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **60, 44.690, 261.569**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 59.102, 59.974**, and **38, 64.899, 50.103** is the 20% darker color. If you saturate the color by 10%, you get **55, 78.119, 52.401**, and if you desaturate by 10%, it is **61, 61.184, 54.909**.

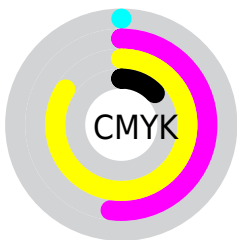
Distribution



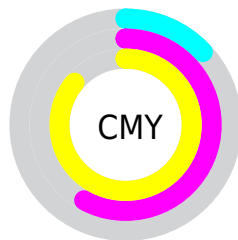
- Red (87%)
- Green (42%)
- Blue (14%)



- Red (87%)
- Yellow (58%)
- Blue (14%)



- Cyan (0%)
- Magenta (52%)
- Yellow (84%)
- Black (13%)



- Cyan (13%)
- Magenta (58%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 70.397, 53.953 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 58, 70.397, 53.953 by changing the saturation by 10% instead.

58, 70.397, 53.953

58, 70.397, 53.953

100, 70.397,
53.953

48, 70.397, 53.953

78, 70.397, 53.953

38, 70.397, 53.953

88, 70.397, 53.953

28, 70.397, 53.953

98, 70.397, 53.953

18, 70.397, 53.953

8, 70.397, 53.953

0, 70.397, 53.953

58, 70.397, 53.953

58, 70.397, 53.953

55, 78.119, 52.401

61, 61.184, 54.909

54, 81.987, 51.168

64, 51.589, 55.649

68, 42.179, 56.360

71, 33.203, 57.112

75, 24.752, 57.921

79, 16.837, 58.781

83, 9.435, 59.670

87, 2.505, 60.463

91, 4.000, 241.738

Harmonies

Complementary

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



58, 70.397, 53.953



60, 44.690, 261.569

Rectangle

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



58, 70.397, 53.953



58, 70.397, 103.953



58, 70.397, 233.953



58, 70.397, 283.953

Sweetspot

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



58, 70.395, 53.956



89, 19.897, 58.658



51, 77.762, 346.543



46, 13.741, 58.350



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 70.395, 53.956



61, 91.287, 50.874



79, 75.317, 94.948



45, 3.864, 60.049



43, 68.555, 51.762



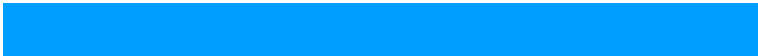
10, 20.186, 46.897

Inverse Universe

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



60, 44.690, 261.569



63, 57.044, 270.054



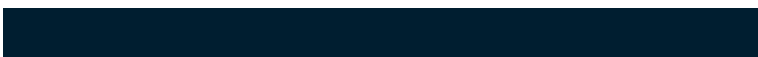
36, 96.894, 300.931



45, 3.709, 242.086



45, 42.442, 268.755



10, 15.581, 258.692

Previews

White Background



This preview shows how the CIELCh color 58, 70.397, 53.953 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 58, 70.397, 53.953 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 58, 70.397, 53.953

Background



This preview shows how black text looks on a background with the CIELCh color 58, 70.397, 53.953.



This preview shows how white text looks on a background with the CIELCh color 58, 70.397, 53.953.

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

58, 70.397, 53.953

Protanopia

58, 50.811, 95.232

Deuteranopia

58, 59.486, 82.778



Tritanopia
58, 53.832, 22.587

Trichromacy



Original Color
58, 70.397, 53.953

Protanomaly
57, 53.568, 76.293

Deuteranomaly
58, 61.305, 70.684

Tritanomaly
58, 57.802, 37.085

Monochromacy



Original Color
58, 70.397, 53.953

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 23.861, 57.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 70.397, 53.953 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(222, 106, 36)` looks like.

```
.text, #text, p{  
    color:rgb(222, 106, 36)  
}
```

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(222, 106, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 106, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 70.397, 53.953 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(222, 106, 36) }
```

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

```
.border{ border-color:rgb(222, 106, 36) }
```

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

Here you see how a box with a 4 pixel rgb(222, 106, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 106, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 106, 36);  
box-shadow:4px 4px 4px 4px rgb(222, 106,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 70.397, 53.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 106, 36) }
```

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

```
.background{ background-color: rgb(222,  
106, 36) }
```

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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