

Converting Colors

CIELCh(61, 81.373, 53.425)

Have a look what the booklet for
CIELCh(61, 81.373, 53.425) contains.

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Color

CIELCh(61, 81.592, 53.359)

Conversions

Conversions Part 1

Format	Color
Hex	F26A15
RGB	242, 106, 21
RGB Percent	95%, 42%, 8%
CMY	0.0509, 0.5842, 0.9175
CMYK	0.00, 0.56, 0.91, 0.05
HSL	23°, 89%, 52%
HSV	23°, 91%, 95%
XYZ	41.9182, 29.2481, 4.1469
YIQ	136.9740, 108.3410, 2.3970

Conversions

Conversions Part 2

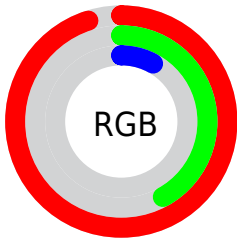
Format	Color
R_{YB}	242, 159, 21
Decimal	15886869
CIE _{Lab}	61.00, 48.69, 65.47
CIE _{LCh}	61, 81.592, 53.359
Yxy	29.2481, 0.5566, 0.3884
Android (android.graphics.Color)	4294076949 (0xFFFF26A15)
YUV	136.9740, -57.1752, 92.1078
Hunter-Lab	54.0815, 43.7113, 33.3108

Details

The CIELCh color **61, 81.592, 53.359** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **62, 51.789, 266.675**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 62.892, 63.044**, and **41, 72.425, 47.143** is the 20% darker color. If you saturate the color by 10%, you get **59, 87.256, 51.489**, and if you desaturate by 10%, it is **64, 72.949, 54.829**.

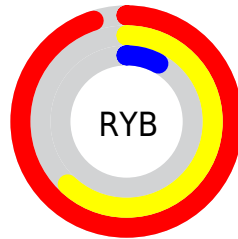
Distribution



Red (95%)

Green (42%)

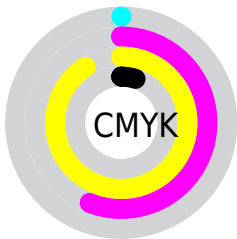
Blue (8%)



Red (95%)

Yellow (62%)

Blue (8%)

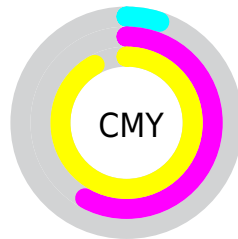


Cyan (0%)

Magenta (56%)

Yellow (91%)

Black (5%)



Cyan (5%)

Magenta (58%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 81.592, 53.359 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 61, 81.592, 53.359 by changing the saturation by 10% instead.

61, 81.592, 53.359

61, 81.592, 53.359

100, 81.592,
53.359

51, 81.592, 53.359

81, 81.592, 53.359

41, 81.592, 53.359

91, 81.592, 53.359

31, 81.592, 53.359

21, 81.592, 53.359

11, 81.592, 53.359

1, 81.592, 53.359

0, 81.592, 53.359

61, 81.592, 53.359

61, 81.592, 53.359

59, 87.256, 51.489

64, 72.949, 54.829

67, 62.988, 55.787

71, 52.764, 56.575

74, 42.803, 57.348

78, 33.328, 58.162

82, 24.414, 59.029

86, 16.064, 59.938

91, 8.248, 60.861

95, 0.920, 61.330

Harmonies

Complementary

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



61, 81.592, 53.359



62, 51.789, 266.675

Rectangle

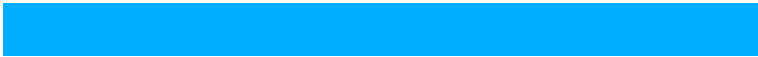
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 81.592, 53.359



61, 81.592, 103.359



61, 81.592, 233.359



61, 81.592, 283.359

Sweetspot

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



61, 81.589, 53.361



88, 21.650, 59.409



54, 84.026, 349.587



45, 14.759, 59.101



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 81.589, 53.361



62, 90.864, 51.381



86, 84.285, 95.359



48, 4.086, 61.027



45, 70.510, 52.159



12, 23.922, 49.564

Inverse Universe

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



62, 51.789, 266.675



63, 58.008, 271.261



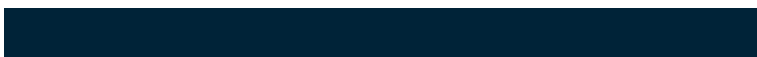
35, 114.617, 303.353



48, 3.926, 243.124



46, 44.624, 270.142



12, 17.601, 261.681

Previews

White Background



This preview shows how the CIELCh color 61, 81.592, 53.359 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 61, 81.592, 53.359 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 61, 81.592, 53.359

Background



This preview shows how black text looks on a background with the CIELCh color 61, 81.592, 53.359.



This preview shows how white text looks on a background with the CIELCh color 61, 81.592, 53.359.

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

61, 81.592, 53.359

Protanopia

61, 58.682, 95.358

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 62.098, 24.665

Trichromacy



Original Color
61, 81.592, 53.359

Protanomaly
60, 61.916, 75.770

Deuteranomaly
61, 69.444, 70.414

Tritanomaly
61, 68.151, 39.103

Monochromacy



Original Color
61, 81.592, 53.359

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 28.666, 58.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 81.592, 53.359 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(242, 106, 21)` looks like.

```
.text, #text, p{  
    color:rgb(242, 106, 21)  
}
```

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(242, 106, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 106, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 81.592, 53.359 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(242, 106, 21) }
```

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

```
.border{ border-color:rgb(242, 106, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 106, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 106, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 106, 21);  
box-shadow:4px 4px 4px 4px rgb(242, 106,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 81.592, 53.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 106, 21) }
```

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

```
.background{ background-color: rgb(242,  
106, 21) }
```

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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