

Converting Colors

CIELCh(62, 81.494, 45.597)

Have a look what the booklet for
CIELCh(62, 81.494, 45.597) contains.

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Color

CIELCh(62, 81.516, 45.643)

Conversions

Conversions Part 1

Format	Color
Hex	FF632E
RGB	255, 99, 46
RGB Percent	100%, 39%, 18%
CMY	0.0000, 0.6115, 0.8194
CMYK	0.00, 0.61, 0.82, 0.00
HSL	15°, 100%, 59%
HSV	15°, 82%, 100%
XYZ	46.2231, 30.4025, 6.0217
YIQ	139.6020, 109.9890, 16.5890

Conversions

Conversions Part 2

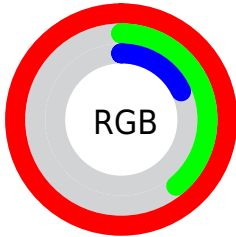
Format	Color
R _Y B	255, 117, 46
Decimal	16737070
CIE Lab	62.00, 56.99, 58.28
CIE LCh	62, 81.516, 45.643
Yxy	30.4025, 0.5593, 0.3679
Android (android.graphics.Color)	4294927150 (0xFFFF632E)
YUV	139.6020, -46.1458, 101.2040
Hunter-Lab	55.1385, 53.1457, 32.1219

Details

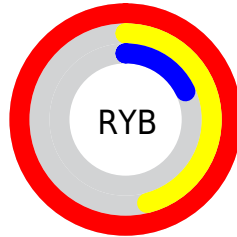
The CIELCh color **62, 81.516, 45.643** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **76, 42.713, 240.040**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 55.978, 54.881**, and **42, 79.235, 43.786** is the 20% darker color. If you saturate the color by 10%, you get **59, 91.510, 45.521**, and if you desaturate by 10%, it is **66, 70.025, 45.311**.

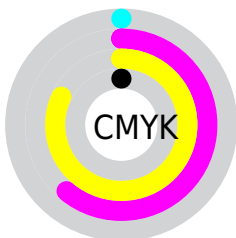
Distribution



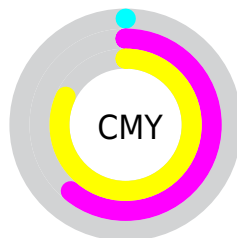
- Red (100%)
- Green (39%)
- Blue (18%)



- Red (100%)
- Yellow (46%)
- Blue (18%)



- Cyan (0%)
- Magenta (61%)
- Yellow (82%)
- Black (0%)



- Cyan (0%)
- Magenta (61%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 81.516, 45.643 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 62, 81.516, 45.643 by changing the saturation by 10% instead.

62, 81.516, 45.643

62, 81.516, 45.643

100, 81.516,
45.643

52, 81.516, 45.643

82, 81.516, 45.643

42, 81.516, 45.643

92, 81.516, 45.643

32, 81.516, 45.643

22, 81.516, 45.643

12, 81.516, 45.643

2, 81.516, 45.643

0, 81.516, 45.643

62, 81.516, 45.643

62, 81.516, 45.643

59, 91.510, 45.521

66, 70.025, 45.311

57, 97.522, 44.826

70, 58.390, 44.940

74, 47.165, 44.702

79, 36.587, 44.636

83, 26.740, 44.732

88, 17.628, 44.960

94, 9.212, 45.278

99, 1.437, 45.339

100, 0.012,
296.813

Harmonies

Complementary

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



62, 81.516, 45.643



76, 42.713, 240.040

Rectangle

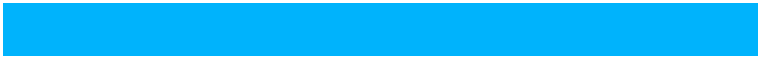
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 81.516, 45.643



62, 81.516, 95.643



62, 81.516, 225.643



62, 81.516, 275.643

Sweetspot

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



62, 81.490, 45.650



87, 20.338, 44.879



59, 92.289, 339.151



45, 14.078, 44.797



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 81.490, 45.650



58, 96.095, 44.962



84, 77.670, 86.299



50, 4.343, 45.358



43, 78.058, 45.325



12, 29.196, 40.513

Inverse Universe

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



76, 42.713, 240.040



73, 45.857, 247.098



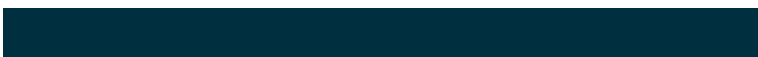
48, 91.208, 295.595



51, 4.106, 226.479



55, 37.030, 247.136



18, 16.532, 240.706

Previews

White Background



This preview shows how the CIELCh color 62, 81.516, 45.643 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 62, 81.516, 45.643 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 ✓ Pass

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

CIELCh 62, 81.516, 45.643

Background



This preview shows how black text looks on a background with the CIELCh color 62, 81.516, 45.643.



This preview shows how white text looks on a background with the CIELCh color 62, 81.516, 45.643.

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

62, 81.516, 45.643

Protanopia

62, 48.576, 95.547

Deuteranopia

62, 61.145, 82.384



Tritanopia
62, 68.147, 26.312

Trichromacy



Original Color
62, 81.516, 45.643

Protanomaly
60, 53.753, 68.717

Deuteranomaly
61, 65.049, 65.054

Tritanomaly
62, 72.404, 34.669

Monochromacy



Original Color
62, 81.516, 45.643

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 27.628, 44.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 81.516, 45.643 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(255, 99, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 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(255, 99, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 81.516, 45.643 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(255, 99, 46) }
```

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

```
.border{ border-color:rgb(255, 99, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 81.516, 45.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 46) }
```

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

```
.background{ background-color: rgb(255, 99,  
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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