

Converting Colors

CIELCh(62, 77.523, 55.833)

Have a look what the booklet for
CIELCh(62, 77.523, 55.833) contains.

CIELCh(62, 77.498, 55.899)	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(62, 77.498, 55.899)

Conversions

Conversions Part 1

Format	Color
Hex	EE721B
RGB	238, 114, 27
RGB Percent	93%, 45%, 11%
CMY	0.0655, 0.5519, 0.8929
CMYK	0.00, 0.52, 0.89, 0.07
HSL	25°, 86%, 52%
HSV	25°, 89%, 93%
XYZ	41.6103, 30.4025, 4.7308
YIQ	141.1580, 101.8310, -0.7690

Conversions

Conversions Part 2

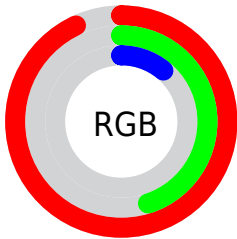
Format	Color
R _Y B	238, 175, 27
Decimal	15626779
CIE Lab	62.00, 43.45, 64.17
CIE LCh	62, 77.498, 55.899
Yxy	30.4025, 0.5422, 0.3962
Android (android.graphics.Color)	4293816859 (0xFFEE721B)
YUV	141.1580, -56.2799, 84.9304
Hunter-Lab	55.1385, 38.2127, 33.5100

Details

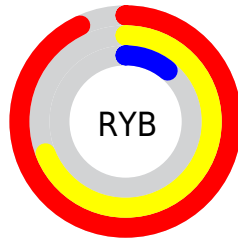
The CIELCh color **62, 77.498, 55.899** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **60, 52.442, 269.143**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 61.327, 66.402**, and **42, 69.108, 50.448** is the 20% darker color. If you saturate the color by 10%, you get **59, 84.023, 53.631**, and if you desaturate by 10%, it is **65, 68.771, 57.397**.

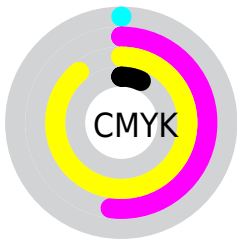
Distribution



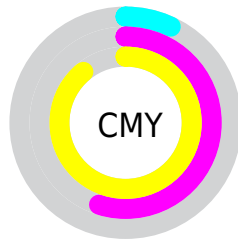
- Red (93%)
- Green (45%)
- Blue (11%)



- Red (93%)
- Yellow (69%)
- Blue (11%)



- Cyan (0%)
- Magenta (52%)
- Yellow (89%)
- Black (7%)



- Cyan (7%)
- Magenta (55%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 77.498, 55.899 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, 77.498, 55.899 by changing the saturation by 10% instead.

62, 77.498, 55.899

62, 77.498, 55.899

100, 77.498,
55.899

52, 77.498, 55.899

82, 77.498, 55.899

42, 77.498, 55.899

92, 77.498, 55.899

32, 77.498, 55.899

22, 77.498, 55.899

12, 77.498, 55.899

2, 77.498, 55.899

0, 77.498, 55.899

62, 77.498, 55.899

62, 77.498, 55.899

59, 84.023, 53.631

65, 68.771, 57.397

59, 84.910, 53.312

68, 59.037, 58.487

72, 49.164, 59.442

75, 39.576, 60.381

79, 30.450, 61.346

83, 21.843, 62.344

87, 13.750, 63.364

91, 6.141, 64.371

95, 1.028, 245.991

Harmonies

Complementary

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



62, 77.498, 55.899



60, 52.442, 269.143

Rectangle

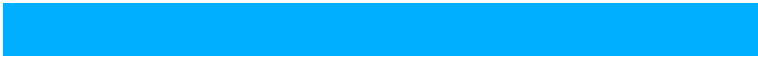
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 77.498, 55.899



62, 77.498, 105.899



62, 77.498, 235.899



62, 77.498, 285.899

Sweetspot

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



62, 77.496, 55.902



89, 21.730, 62.490



53, 81.923, 350.119



46, 14.803, 62.143



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, 77.496, 55.902



63, 89.480, 53.167



86, 83.332, 96.778



48, 4.117, 64.280



46, 69.468, 53.968



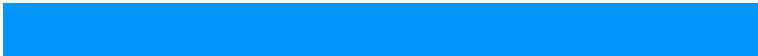
12, 23.714, 52.213

Inverse Universe

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



60, 52.442, 269.143



61, 61.395, 275.054



35, 111.944, 303.192



48, 3.972, 246.519



44, 47.161, 273.960



12, 18.385, 265.601

Previews

White Background



This preview shows how the CIELCh color 62, 77.498, 55.899 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, 77.498, 55.899 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, 77.498, 55.899

Background



This preview shows how black text looks on a background with the CIELCh color 62, 77.498, 55.899.



This preview shows how white text looks on a background with the CIELCh color 62, 77.498, 55.899.

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, 77.498, 55.899

Protanopia

62, 58.191, 95.479

Deuteranopia

62, 67.130, 83.129



Tritanopia
62, 56.554, 22.781

Trichromacy



Original Color
62, 77.498, 55.899

Protanomaly
61, 60.840, 78.034

Deuteranomaly
62, 69.352, 71.880

Tritanomaly
62, 62.355, 39.434

Monochromacy



Original Color
62, 77.498, 55.899

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 26.986, 60.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 77.498, 55.899 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(238, 114, 27)` looks like.

```
.text, #text, p{  
    color:rgb(238, 114, 27)  
}
```

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(238, 114, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 114, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 77.498, 55.899 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(238, 114, 27) }
```

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

```
.border{ border-color:rgb(238, 114, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 114, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 114, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 114, 27);  
box-shadow:4px 4px 4px 4px rgb(238, 114,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 77.498, 55.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 114, 27) }
```

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

```
.background{ background-color: rgb(238,  
114, 27) }
```

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