

Converting Colors

CIELCh(63, 77.504, 62.959)

Have a look what the booklet for
CIELCh(63, 77.504, 62.959) contains.

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Color

CIELCh(63, 77.417, 63.227)

Conversions

Conversions Part 1

Format	Color
Hex	E77D05
RGB	231, 125, 5
RGB Percent	91%, 49%, 2%
CMY	0.0950, 0.5105, 0.9818
CMYK	0.00, 0.46, 0.98, 0.09
HSL	32°, 96%, 46%
HSV	32°, 98%, 91%
XYZ	40.2233, 31.5869, 4.1099
YIQ	143.0140, 101.6960, -14.8480

Conversions

Conversions Part 2

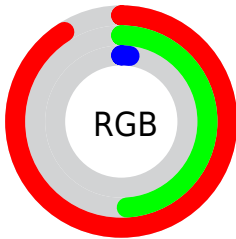
Format	Color
R _Y B	205, 231, 5
Decimal	15170821
CIE Lab	63.00, 34.87, 69.12
CIE LCh	63, 77.417, 63.227
Yxy	31.5869, 0.5298, 0.4161
Android (android.graphics.Color)	4293360901 (0xFFE77D05)
YUV	143.0140, -68.0409, 77.1637
Hunter-Lab	56.2022, 29.3964, 35.0059

Details

The CIELCh color **63, 77.417, 63.227** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **48, 70.801, 286.831**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 65.410, 73.708**, and **43, 63.975, 56.245** is the 20% darker color. If you saturate the color by 10%, you get **63, 78.298, 62.674**, and if you desaturate by 10%, it is **65, 72.500, 65.952**.

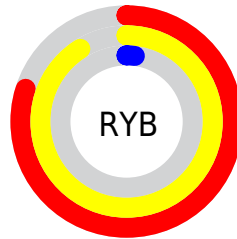
Distribution



Red (91%)

Green (49%)

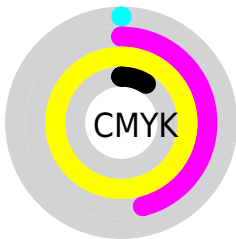
Blue (2%)



Red (80%)

Yellow (91%)

Blue (2%)

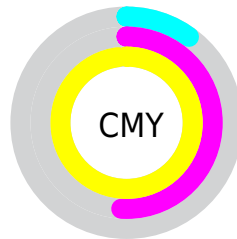


Cyan (0%)

Magenta (46%)

Yellow (98%)

Black (9%)



Cyan (10%)

Magenta (51%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 77.417, 63.227 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 63, 77.417, 63.227 by changing the saturation by 10% instead.

63, 77.417, 63.227

63, 77.417, 63.227

100, 77.417,
63.227

53, 77.417, 63.227

83, 77.417, 63.227

43, 77.417, 63.227

93, 77.417, 63.227

33, 77.417, 63.227

23, 77.417, 63.227

13, 77.417, 63.227

3, 77.417, 63.227

0, 77.417, 63.227

63, 77.417, 63.227

63, 77.417, 63.227

63, 78.298, 62.674

65, 72.500, 65.952

68, 65.327, 67.993

71, 56.866, 69.641

73, 47.937, 71.105

76, 38.995, 72.488

79, 30.264, 73.834

83, 21.837, 75.155

86, 13.742, 76.449

89, 5.975, 77.690

Harmonies

Complementary

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



63, 77.417, 63.227



48, 70.801, 286.831

Rectangle

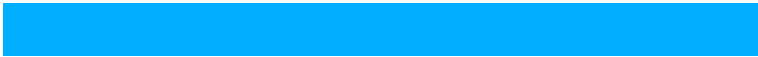
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 77.417, 63.227



63, 77.417, 113.227



63, 77.417, 243.227



63, 77.417, 293.227

Sweetspot

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



63, 77.415, 63.229



90, 24.592, 75.002



50, 78.101, 3.430



46, 17.027, 74.437



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 77.415, 63.229



69, 84.514, 62.452



89, 89.525, 103.911



46, 4.241, 77.515



49, 64.431, 63.348



13, 20.971, 64.086

Inverse Universe

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



48, 70.801, 286.831



52, 78.449, 287.924



29, 123.101, 306.187



46, 4.168, 260.063



37, 58.662, 286.892



8, 20.886, 278.530

Previews

White Background



This preview shows how the CIELCh color 63, 77.417, 63.227 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 63, 77.417, 63.227 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 63, 77.417, 63.227

Background



This preview shows how black text looks on a background with the CIELCh color 63, 77.417, 63.227.



This preview shows how white text looks on a background with the CIELCh color 63, 77.417, 63.227.

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

63, 77.417, 63.227

Protanopia

63, 63.663, 95.223

Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 49.759, 20.465

Trichromacy



Original Color
63, 77.417, 63.227

Protanomaly
63, 65.737, 82.127

Deuteranomaly
63, 70.234, 75.324

Tritanomaly
63, 57.853, 44.748

Monochromacy



Original Color
63, 77.417, 63.227

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 30.204, 72.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 77.417, 63.227 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(231, 125, 5)` looks like.

```
.text, #text, p{  
    color:rgb(231, 125, 5)  
}
```

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(231, 125, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 125, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 77.417, 63.227 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(231, 125, 5) }
```

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

```
.border{ border-color:rgb(231, 125, 5) }
```

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

Here you see how a box with a 4 pixel rgb(231, 125, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 125, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 125, 5);  
box-shadow:4px 4px 4px 4px rgb(231, 125,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 77.417, 63.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 125, 5) }
```

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

```
.background{ background-color: rgb(231,  
125, 5) }
```

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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