

Converting Colors

CIELCh(64, 69.257, 56.322)

Have a look what the booklet for
CIELCh(64, 69.257, 56.322) contains.

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Color

CIELCh(64, 69.039, 56.441)

Conversions

Conversions Part 1

Format	Color
Hex	ED7D32
RGB	237, 125, 50
RGB Percent	93%, 49%, 20%
CMY	0.0716, 0.5106, 0.8047
CMYK	0.00, 0.47, 0.79, 0.07
HSL	24°, 84%, 56%
HSV	24°, 79%, 93%
XYZ	42.7167, 32.8017, 7.0735
YIQ	149.9380, 90.8270, 0.4190

Conversions

Conversions Part 2

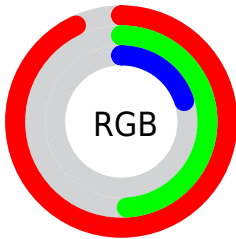
Format	Color
R _{YB}	237, 175, 50
Decimal	15564082
CIE Lab	64.00, 38.16, 57.53
CIE LCh	64, 69.039, 56.441
Yxy	32.8017, 0.5172, 0.3972
Android (android.graphics.Color)	4293754162 (0xFFED7D32)
YUV	149.9380, -49.2694, 76.3534
Hunter-Lab	57.2727, 32.9063, 32.7683

Details

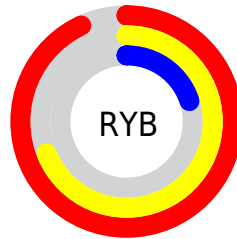
The CIELCh color **64, 69.039, 56.441** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **64, 46.701, 263.130**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 53.643, 68.078**, and **44, 66.589, 54.855** is the 20% darker color. If you saturate the color by 10%, you get **61, 77.779, 55.009**, and if you desaturate by 10%, it is **67, 59.272, 57.464**.

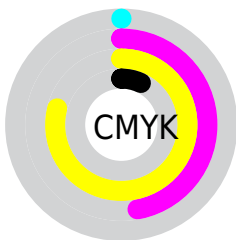
Distribution



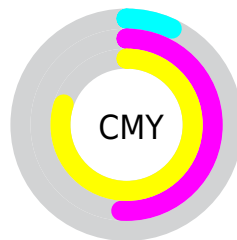
- Red (93%)
- Green (49%)
- Blue (20%)



- Red (93%)
- Yellow (69%)
- Blue (20%)



- Cyan (0%)
- Magenta (47%)
- Yellow (79%)
- Black (7%)



- Cyan (7%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 69.039, 56.441 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 64, 69.039, 56.441 by changing the saturation by 10% instead.

64, 69.039, 56.441

64, 69.039, 56.441

100, 69.039,
56.441

54, 69.039, 56.441

84, 69.039, 56.441

44, 69.039, 56.441

94, 69.039, 56.441

34, 69.039, 56.441

24, 69.039, 56.441

14, 69.039, 56.441

4, 69.039, 56.441

0, 69.039, 56.441

64, 69.039, 56.441

64, 69.039, 56.441

61, 77.779, 55.009

67, 59.272, 57.464

58, 84.346, 52.810

71, 49.373, 58.351

58, 84.988, 52.599

74, 39.770, 59.229

78, 30.642, 60.139

82, 22.045, 61.090

86, 13.976, 62.070

90, 6.402, 63.043

94, 0.722, 244.845

98, 5.505, 213.273

Harmonies

Complementary

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



64, 69.039, 56.441



64, 46.701, 263.130

Rectangle

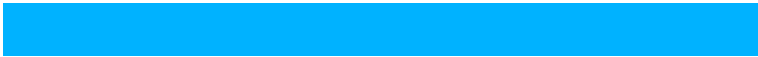
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 69.039, 56.441



64, 69.039, 106.441



64, 69.039, 236.441



64, 69.039, 286.441

Sweetspot

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



64, 69.037, 56.444



90, 19.093, 61.565



55, 78.468, 347.874



46, 13.270, 61.216



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 69.037, 56.444



64, 86.961, 53.651



86, 78.386, 97.593



47, 4.031, 62.997



45, 69.131, 53.274



11, 22.539, 50.653

Inverse Universe

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



64, 46.701, 263.130



63, 57.487, 271.064



40, 99.702, 300.918



47, 3.883, 245.178



44, 45.617, 272.432



11, 17.431, 263.540

Previews

White Background



This preview shows how the CIELCh color 64, 69.039, 56.441 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 64, 69.039, 56.441 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 64, 69.039, 56.441

Background



This preview shows how black text looks on a background with the CIELCh color 64, 69.039, 56.441.



This preview shows how white text looks on a background with the CIELCh color 64, 69.039, 56.441.

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

64, 69.039, 56.441

Protanopia

64, 52.083, 95.470

Deuteranopia

64, 59.377, 82.362



Tritanopia
64, 51.326, 20.781

Trichromacy



Original Color
64, 69.039, 56.441

Protanomaly
64, 54.421, 78.362

Deuteranomaly
64, 61.116, 71.973

Tritanomaly
64, 55.129, 37.133

Monochromacy



Original Color
64, 69.039, 56.441

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 23.548, 59.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 69.039, 56.441 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(237, 125, 50)` looks like.

```
.text, #text, p{  
    color:rgb(237, 125, 50)  
}
```

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(237, 125, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 125, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 69.039, 56.441 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(237, 125, 50) }
```

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

```
.border{ border-color:rgb(237, 125, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 125, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 125, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 125, 50);  
box-shadow:4px 4px 4px 4px rgb(237, 125,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 69.039, 56.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 125, 50) }
```

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

```
.background{ background-color: rgb(237,  
125, 50) }
```

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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