

Converting Colors

CIELCh(63, 69.561, 64.114)

Have a look what the booklet for
CIELCh(63, 69.561, 64.114) contains.

CIELCh(63, 69.639, 64.188)	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(63, 69.639, 64.188)

Conversions

Conversions Part 1

Format	Color
Hex	E08120
RGB	224, 129, 32
RGB Percent	88%, 51%, 13%
CMY	0.1222, 0.4946, 0.8751
CMYK	0.00, 0.42, 0.86, 0.12
HSL	30°, 75%, 50%
HSV	30°, 86%, 88%
XYZ	38.7781, 31.5869, 5.4077
YIQ	146.3470, 87.7570, -10.0270

Conversions

Conversions Part 2

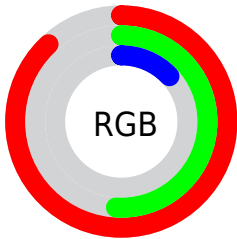
Format	Color
R _Y B	220, 224, 32
Decimal	14713120
CIE Lab	63.00, 30.32, 62.69
CIE LCh	63, 69.639, 64.188
Yxy	31.5869, 0.5118, 0.4169
Android (android.graphics.Color)	4292903200 (0xFFE08120)
YUV	146.3470, -56.3731, 68.1017
Hunter-Lab	56.2022, 24.8064, 33.6367

Details

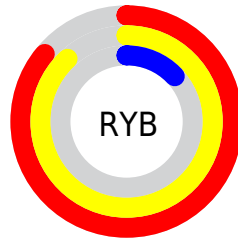
The CIELCh color **63, 69.639, 64.188** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **53, 57.435, 278.798**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 60.105, 73.060**, and **43, 60.899, 59.994** is the 20% darker color. If you saturate the color by 10%, you get **61, 75.307, 61.685**, and if you desaturate by 10%, it is **66, 61.966, 66.032**.

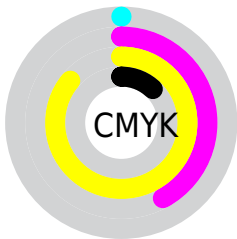
Distribution



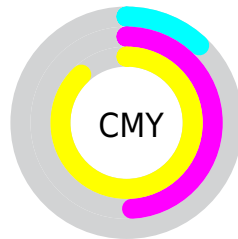
- Red (88%)
- Green (51%)
- Blue (13%)



- Red (86%)
- Yellow (88%)
- Blue (13%)



- Cyan (0%)
- Magenta (42%)
- Yellow (86%)
- Black (12%)



- Cyan (12%)
- Magenta (49%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 69.639, 64.188 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, 69.639, 64.188 by changing the saturation by 10% instead.

63, 69.639, 64.188

63, 69.639, 64.188

100, 69.639,
64.188

53, 69.639, 64.188

83, 69.639, 64.188

43, 69.639, 64.188

93, 69.639, 64.188

33, 69.639, 64.188

23, 69.639, 64.188

13, 69.639, 64.188

3, 69.639, 64.188

0, 69.639, 64.188

63, 69.639, 64.188

63, 69.639, 64.188

61, 75.307, 61.685

66, 61.966, 66.032

60, 77.270, 60.527

68, 53.354, 67.541

71, 44.502, 68.906

74, 35.772, 70.214

77, 27.329, 71.500

81, 19.235, 72.770

84, 11.501, 74.019

87, 4.113, 75.199

91, 2.958, 256.644

Harmonies

Complementary

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



63, 69.639, 64.188



53, 57.435, 278.798

Rectangle

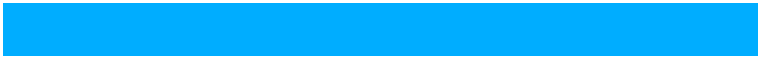
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 69.639, 64.188



63, 69.639, 114.188



63, 69.639, 244.188



63, 69.639, 294.188

Sweetspot

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



63, 69.637, 64.191



90, 21.587, 72.718



50, 74.387, 357.129



47, 14.754, 72.276



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, 69.637, 64.191



67, 85.399, 60.229



87, 84.062, 103.147



45, 4.088, 74.784



47, 64.348, 61.181



11, 19.649, 60.841

Inverse Universe

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



53, 57.435, 278.798



54, 74.470, 285.546



31, 112.346, 304.904



45, 4.002, 257.295



38, 55.070, 284.422



8, 19.146, 275.224

Previews

White Background



This preview shows how the CIELCh color 63, 69.639, 64.188 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, 69.639, 64.188 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, 69.639, 64.188

Background



This preview shows how black text looks on a background with the CIELCh color 63, 69.639, 64.188.



This preview shows how white text looks on a background with the CIELCh color 63, 69.639, 64.188.

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, 69.639, 64.188

Protanopia

63, 58.688, 95.127

Deuteranopia

63, 64.389, 82.814



Tritanopia
63, 44.947, 18.530

Trichromacy



Original Color
63, 69.639, 64.188

Protanomaly
63, 59.988, 82.253

Deuteranomaly
63, 65.292, 75.555

Tritanomaly
63, 50.092, 41.985

Monochromacy



Original Color
63, 69.639, 64.188

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 25.353, 71.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 69.639, 64.188 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(224, 129, 32)` looks like.

```
.text, #text, p{  
    color:rgb(224, 129, 32)  
}
```

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(224, 129, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 129, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 69.639, 64.188 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(224, 129, 32) }
```

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

```
.border{ border-color:rgb(224, 129, 32) }
```

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

Here you see how a box with a 4 pixel rgb(224, 129, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 129, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 129, 32);  
box-shadow:4px 4px 4px 4px rgb(224, 129,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 69.639, 64.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 129, 32) }
```

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

```
.background{ background-color: rgb(224,  
129, 32) }
```

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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