

Converting Colors

CIELCh(65, 62.045, 64.117)

Have a look what the booklet for
CIELCh(65, 62.045, 64.117) contains.

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Color

CIELCh(65, 61.795, 64.259)

Conversions

Conversions Part 1

Format	Color
Hex	E08937
RGB	224, 137, 55
RGB Percent	88%, 54%, 22%
CMY	0.1213, 0.4625, 0.7840
CMYK	0.00, 0.39, 0.75, 0.12
HSL	29°, 73%, 55%
HSV	29°, 75%, 88%
XYZ	40.4118, 34.0472, 8.0647
YIQ	153.6650, 78.1740, -7.0580

Conversions

Conversions Part 2

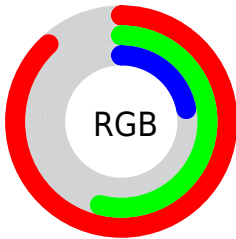
Format	Color
R_{YB}	224, 214, 55
Decimal	14715191
CIE _{Lab}	65.00, 26.84, 55.66
CIE _{LCh}	65, 61.795, 64.259
Yxy	34.0472, 0.4897, 0.4126
Android (android.graphics.Color)	4292905271 (0xFFE08937)
YUV	153.6650, -48.6418, 61.6838
Hunter-Lab	58.3500, 21.5124, 32.6503

Details

The CIELCh color **65, 61.795, 64.259** 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 **58, 49.101, 272.155**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 52.658, 74.453**, and **45, 60.260, 63.294** is the 20% darker color. If you saturate the color by 10%, you get **62, 69.744, 62.517**, and if you desaturate by 10%, it is **68, 53.003, 65.686**.

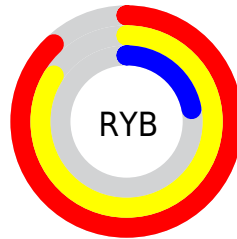
Distribution



Red (88%)

Green (54%)

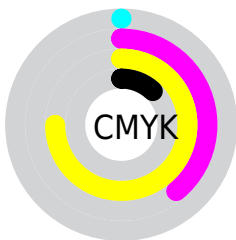
Blue (22%)



Red (88%)

Yellow (84%)

Blue (22%)

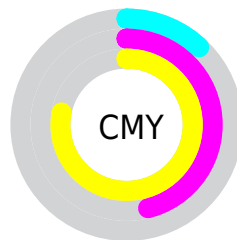


Cyan (0%)

Magenta (39%)

Yellow (75%)

Black (12%)



Cyan (12%)

Magenta (46%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 61.795, 64.259 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 65, 61.795, 64.259 by changing the saturation by 10% instead.

65, 61.795, 64.259

65, 61.795, 64.259

100, 61.795,
64.259

55, 61.795, 64.259

85, 61.795, 64.259

45, 61.795, 64.259

95, 61.795, 64.259

35, 61.795, 64.259

25, 61.795, 64.259

15, 61.795, 64.259

5, 61.795, 64.259

0, 61.795, 64.259

65, 61.795, 64.259

65, 61.795, 64.259

62, 69.744, 62.517

68, 53.003, 65.686

60, 75.775, 60.106

71, 44.052, 66.978

59, 78.020, 58.876

74, 35.280, 68.226

77, 26.840, 69.461

81, 18.783, 70.689

84, 11.114, 71.902

87, 3.811, 73.044

91, 3.156, 254.474

94, 9.117, 252.142

Harmonies

Complementary

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



65, 61.795, 64.259



58, 49.101, 272.155

Rectangle

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



65, 61.795, 64.259



65, 61.795, 114.259



65, 61.795, 244.259



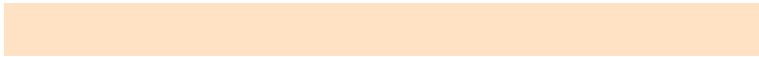
65, 61.795, 294.259

Sweetspot

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



65, 61.794, 64.262



91, 18.764, 70.965



52, 70.658, 352.868



47, 13.107, 70.520



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 61.794, 64.262



69, 81.374, 61.120



86, 77.494, 102.725



45, 4.036, 72.605



47, 64.888, 59.536



11, 19.651, 58.568

Inverse Universe

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



58, 49.101, 272.155



59, 65.115, 279.358



36, 99.093, 302.591



45, 3.939, 255.078



39, 52.887, 282.400



8, 18.503, 273.011

Previews

White Background



This preview shows how the CIELCh color 65, 61.795, 64.259 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 65, 61.795, 64.259 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 65, 61.795, 64.259

Background



This preview shows how black text looks on a background with the CIELCh color 65, 61.795, 64.259.



This preview shows how white text looks on a background with the CIELCh color 65, 61.795, 64.259.

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

65, 61.795, 64.259

Protanopia

65, 51.626, 95.526

Deuteranopia

65, 56.989, 81.422



Tritanopia
65, 41.200, 17.283

Trichromacy



Original Color
65, 61.795, 64.259

Protanomaly
65, 52.742, 82.693

Deuteranomaly
65, 58.072, 74.839

Tritanomaly
65, 44.561, 40.145

Monochromacy



Original Color
65, 61.795, 64.259

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 21.468, 70.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 61.795, 64.259 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, 137, 55)` looks like.

```
.text, #text, p{  
    color:rgb(224, 137, 55)  
}
```

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, 137, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 137, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 61.795, 64.259 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, 137, 55) }
```

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

```
.border{ border-color:rgb(224, 137, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 137, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 137, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 137, 55);  
box-shadow:4px 4px 4px 4px rgb(224, 137,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 61.795, 64.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 137, 55) }
```

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

```
.background{ background-color: rgb(224,  
137, 55) }
```

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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