

Converting Colors

CIELCh(63, 75.737, 66.056)

Have a look what the booklet for
CIELCh(63, 75.737, 66.056) contains.

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Color

CIELCh(63, 75.629, 65.947)

Conversions

Conversions Part 1

Format	Color
Hex	E18003
RGB	225, 128, 3
RGB Percent	88%, 50%, 1%
CMY	0.1162, 0.4969, 0.9897
CMYK	0.00, 0.43, 0.99, 0.12
HSL	34°, 98%, 45%
HSV	34°, 99%, 88%
XYZ	38.9360, 31.5869, 4.1201
YIQ	142.7530, 97.9370, -18.3110

Conversions

Conversions Part 2

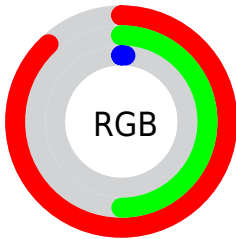
Format	Color
RYB	175, 225, 3
Decimal	14778371
CIELab	63.00, 30.82, 69.06
CIELCh	63, 75.629, 65.947
Yxy	31.5869, 0.5216, 0.4232
Android (android.graphics.Color)	4292968451 (0xFFE18003)
YUV	142.7530, -68.8982, 72.1306
Hunter-Lab	56.2022, 25.3080, 34.9951

Details

The CIELCh color **63, 75.629, 65.947** 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 **45, 74.611, 289.858**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 65.970, 74.834**, and **43, 61.422, 59.245** is the 20% darker color. If you saturate the color by 10%, you get **63, 76.092, 65.630**, and if you desaturate by 10%, it is **65, 71.336, 68.694**.

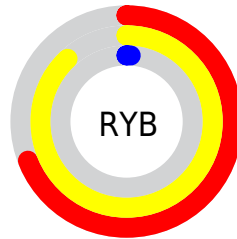
Distribution



Red (88%)

Green (50%)

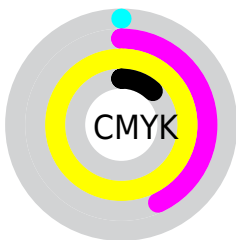
Blue (1%)



Red (69%)

Yellow (88%)

Blue (1%)

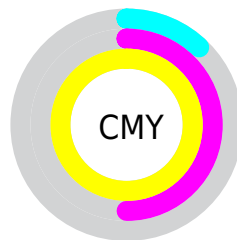


Cyan (0%)

Magenta (43%)

Yellow (99%)

Black (12%)



Cyan (12%)

Magenta (50%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 75.629, 65.947 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, 75.629, 65.947 by changing the saturation by 10% instead.

63, 75.629, 65.947

63, 75.629, 65.947

100, 75.629,
65.947

53, 75.629, 65.947

83, 75.629, 65.947

43, 75.629, 65.947

93, 75.629, 65.947

33, 75.629, 65.947

23, 75.629, 65.947

13, 75.629, 65.947

3, 75.629, 65.947

0, 75.629, 65.947

63, 75.629, 65.947

63, 75.629, 65.947

63, 76.092, 65.630

65, 71.336, 68.694

68, 64.812, 70.820

70, 56.840, 72.549

73, 48.248, 74.084

75, 39.526, 75.525

78, 30.924, 76.918

81, 22.556, 78.276

84, 14.465, 79.600

87, 6.659, 80.872

Harmonies

Complementary

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



63, 75.629, 65.947



45, 74.611, 289.858

Rectangle

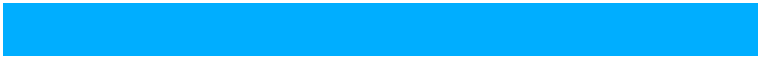
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 75.629, 65.947



63, 75.629, 115.947



63, 75.629, 245.947



63, 75.629, 295.947

Sweetspot

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



63, 75.627, 65.949



90, 26.009, 78.091



48, 76.701, 6.958



47, 17.880, 77.517



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, 75.627, 65.949



70, 83.610, 65.361



86, 88.226, 105.964



46, 4.272, 80.797



50, 63.126, 66.270



12, 19.832, 67.492

Inverse Universe

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



45, 74.611, 289.858



50, 83.564, 290.618



28, 121.112, 306.324



45, 4.218, 263.354



35, 61.725, 289.592



7, 21.022, 280.439

Previews

White Background



This preview shows how the CIELCh color 63, 75.629, 65.947 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, 75.629, 65.947 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, 75.629, 65.947

Background



This preview shows how black text looks on a background with the CIELCh color 63, 75.629, 65.947.



This preview shows how white text looks on a background with the CIELCh color 63, 75.629, 65.947.

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, 75.492, 65.893

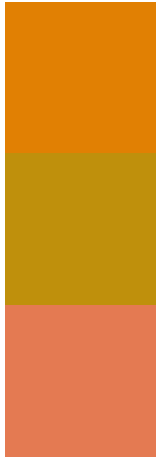
Protanopia

63, 64.073, 95.228

Tritanopia

63, 46.228, 18.894

Trichromacy



Original Color
63, 75.492, 65.893

Protanomaly
63, 65.807, 83.427

Tritanomaly
63, 54.923, 46.648

Monochromacy



Original Color
63, 75.492, 65.893

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 30.489, 76.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 75.629, 65.947 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(225, 128, 3)` looks like.

```
.text, #text, p{  
    color:rgb(225, 128, 3)  
}
```

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(225, 128, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 128, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 75.629, 65.947 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(225, 128, 3) }
```

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

```
.border{ border-color:rgb(225, 128, 3) }
```

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

Here you see how a box with a 4 pixel rgb(225, 128, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 128, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 128, 3);  
box-shadow:4px 4px 4px 4px rgb(225, 128,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 75.629, 65.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 128, 3) }
```

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

```
.background{ background-color: rgb(225,  
128, 3) }
```

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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