

Converting Colors

CIELCh(65, 65.496, 59.681)

Have a look what the booklet for
CIELCh(65, 65.496, 59.681) contains.

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Color

CIELCh(65, 65.532, 59.647)

Conversions

Conversions Part 1

Format	Color
Hex	E98436
RGB	233, 132, 54
RGB Percent	91%, 52%, 21%
CMY	0.0867, 0.4827, 0.7886
CMYK	0.00, 0.43, 0.77, 0.09
HSL	26°, 80%, 56%
HSV	26°, 77%, 91%
XYZ	42.4699, 34.0472, 7.8120
YIQ	153.3070, 85.2340, -2.8460

Conversions

Conversions Part 2

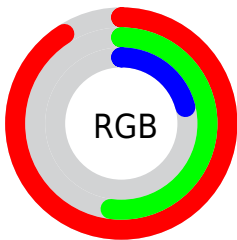
Format	Color
R _{YB}	233, 192, 54
Decimal	15303734
CIE Lab	65.00, 33.12, 56.55
CIE LCh	65, 65.532, 59.647
Yxy	34.0472, 0.5036, 0.4037
Android (android.graphics.Color)	4293493814 (0xFFE98436)
YUV	153.3070, -48.9584, 69.8908
Hunter-Lab	58.3500, 27.8084, 32.9071

Details

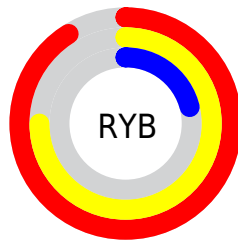
The CIELCh color **65, 65.532, 59.647** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **62, 47.563, 266.852**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 52.510, 71.513**, and **45, 63.825, 58.710** is the 20% darker color. If you saturate the color by 10%, you get **62, 74.085, 58.092**, and if you desaturate by 10%, it is **68, 56.112, 60.855**.

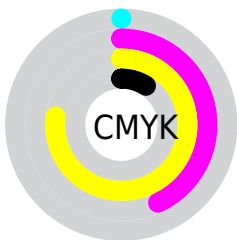
Distribution



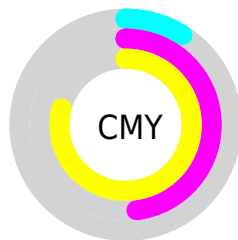
- Red (91%)
- Green (52%)
- Blue (21%)



- Red (91%)
- Yellow (75%)
- Blue (21%)



- Cyan (0%)
- Magenta (43%)
- Yellow (77%)
- Black (9%)



- Cyan (9%)
- Magenta (48%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 65.532, 59.647 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, 65.532, 59.647 by changing the saturation by 10% instead.

 65, 65.532, 59.647

 65, 65.532, 59.647

 100, 65.532,
59.647

 55, 65.532, 59.647

 85, 65.532, 59.647

 45, 65.532, 59.647

 95, 65.532, 59.647

 35, 65.532, 59.647

 25, 65.532, 59.647

 15, 65.532, 59.647

 5, 65.532, 59.647

 0, 65.532, 59.647

 65, 65.532, 59.647

 65, 65.532, 59.647

 62, 74.085, 58.092

 68, 56.112, 60.855

59, 80.571, 55.782

71, 46.594, 61.936

59, 82.355, 55.021

75, 37.345, 62.994

78, 28.522, 64.065

82, 20.173, 65.154

86, 12.294, 66.250

90, 4.855, 67.309

94, 2.182, 248.731

97, 6.355, 222.096

Harmonies

Complementary

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



65, 65.532, 59.647



62, 47.563, 266.852

Rectangle

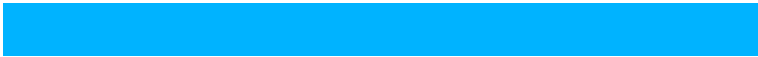
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 65.532, 59.647



65, 65.532, 109.647



65, 65.532, 239.647



65, 65.532, 289.647

Sweetspot

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



65, 65.530, 59.650



91, 18.395, 65.564



54, 75.210, 349.692



47, 12.869, 65.165



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, 65.530, 59.650



66, 83.592, 56.915



87, 77.920, 99.815



47, 4.081, 67.043



46, 67.884, 55.679



12, 22.330, 54.154

Inverse Universe

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



62, 47.563, 266.852



62, 59.812, 274.112



39, 99.137, 301.471



47, 3.952, 249.379



43, 48.947, 276.934



11, 18.438, 268.231

Previews

White Background



This preview shows how the CIELCh color 65, 65.532, 59.647 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, 65.532, 59.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

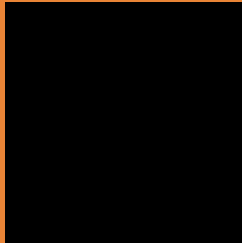
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 65.532, 59.647

Background



This preview shows how black text looks on a background with the CIELCh color 65, 65.532, 59.647.



This preview shows how white text looks on a background with the CIELCh color 65, 65.532, 59.647.

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, 65.532, 59.647

Protanopia

65, 51.626, 95.526

Deuteranopia

65, 58.129, 81.723



Tritanopia
65, 46.758, 18.894

Trichromacy



Original Color
65, 65.532, 59.647

Protanomaly
65, 53.806, 80.426

Deuteranomaly
65, 59.747, 72.554

Tritanomaly
65, 50.580, 38.184

Monochromacy



Original Color
65, 65.532, 59.647

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 22.486, 63.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 65.532, 59.647 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(233, 132, 54)` looks like.

```
.text, #text, p{  
    color:rgb(233, 132, 54)  
}
```

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(233, 132, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 132, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 65.532, 59.647 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(233, 132, 54) }
```

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

```
.border{ border-color:rgb(233, 132, 54) }
```

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

Here you see how a box with a 4 pixel rgb(233, 132, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 132, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 132, 54);  
box-shadow:4px 4px 4px 4px rgb(233, 132,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 65.532, 59.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 132, 54) }
```

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

```
.background{ background-color: rgb(233,  
132, 54) }
```

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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