

Converting Colors

CIELCh(68, 56.101, 55.318)

Have a look what the booklet for
CIELCh(68, 56.101, 55.318) contains.

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Color

CIELCh(68, 56.016, 55.336)

Conversions

Conversions Part 1

Format	Color
Hex	EE8D53
RGB	238, 141, 83
RGB Percent	93%, 55%, 33%
CMY	0.0656, 0.4461, 0.6736
CMYK	0.00, 0.41, 0.65, 0.07
HSL	22°, 82%, 63%
HSV	22°, 65%, 93%
XYZ	46.4817, 37.9720, 13.1081
YIQ	163.3910, 76.4300, 2.5260

Conversions

Conversions Part 2

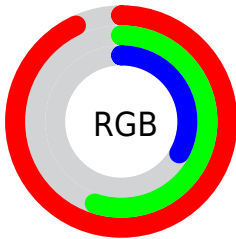
Format	Color
R _Y B	238, 176, 83
Decimal	15633747
CIE Lab	68.00, 31.86, 46.07
CIE LCh	68, 56.016, 55.336
Yxy	37.9720, 0.4764, 0.3892
Android (android.graphics.Color)	4293823827 (0xFFEE8D53)
YUV	163.3910, -39.6328, 65.4321
Hunter-Lab	61.6215, 26.8067, 30.5229

Details

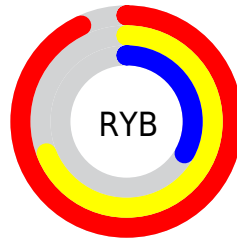
The CIELCh color **68, 56.016, 55.336** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **70, 38.914, 253.671**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 41.383, 69.829**, and **48, 55.957, 55.624** is the 20% darker color. If you saturate the color by 10%, you get **65, 66.183, 54.597**, and if you desaturate by 10%, it is **72, 45.982, 56.037**.

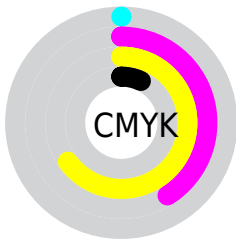
Distribution



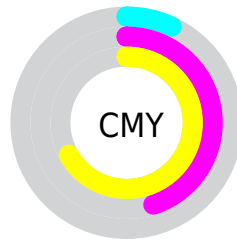
- Red (93%)
- Green (55%)
- Blue (33%)



- Red (93%)
- Yellow (69%)
- Blue (33%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (7%)



- Cyan (7%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 56.016, 55.336 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 68, 56.016, 55.336 by changing the saturation by 10% instead.

68, 56.016, 55.336

68, 56.016, 55.336

100, 56.016,
55.336

58, 56.016, 55.336

88, 56.016, 55.336

48, 56.016, 55.336

98, 56.016, 55.336

38, 56.016, 55.336

28, 56.016, 55.336

18, 56.016, 55.336

8, 56.016, 55.336

0, 56.016, 55.336

68, 56.016, 55.336

68, 56.016, 55.336

65, 66.183, 54.597

72, 45.982, 56.037

61, 75.803, 53.594

75, 36.389, 56.770

59, 83.599, 51.900

79, 27.348, 57.563

57, 86.713, 50.879

84, 18.883, 58.411

88, 10.971, 59.293

92, 3.569, 60.125

96, 3.372, 241.377

99, 5.747, 199.156

Harmonies

Complementary

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



68, 56.016, 55.336



70, 38.914, 253.671

Rectangle

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



68, 56.016, 55.336



68, 56.016, 105.336



68, 56.016, 235.336



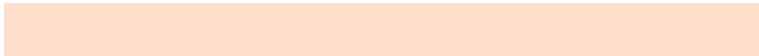
68, 56.016, 285.336

Sweetspot

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



68, 56.014, 55.340



91, 15.644, 58.849



60, 71.616, 343.408



47, 10.777, 58.601



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 56.014, 55.340



68, 73.038, 54.318



86, 66.771, 96.882



48, 4.078, 59.782



45, 70.915, 51.507



12, 24.013, 48.587

Inverse Universe

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



70, 38.914, 253.671



70, 47.177, 258.900



49, 78.029, 295.951



48, 3.912, 241.818



47, 43.716, 268.600



13, 17.326, 260.122

Previews

White Background



This preview shows how the CIELCh color 68, 56.016, 55.336 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 68, 56.016, 55.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

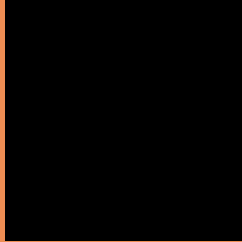
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 56.016, 55.336

Background



This preview shows how black text looks on a background with the CIELCh color 68, 56.016, 55.336.



This preview shows how white text looks on a background with the CIELCh color 68, 56.016, 55.336.

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





Tritanopia
68, 44.130, 17.303

Trichromacy



Original Color
68, 56.016, 55.336

Protanomaly
68, 42.755, 77.504

Deuteranomaly
68, 49.486, 69.575

Tritanomaly
68, 45.766, 33.773

Monochromacy



Original Color
68, 56.016, 55.336

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 18.698, 58.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 56.016, 55.336 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(238, 141, 83)` looks like.

```
.text, #text, p{  
    color:rgb(238, 141, 83)  
}
```

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(238, 141, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 141, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 56.016, 55.336 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(238, 141, 83) }
```

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

```
.border{ border-color:rgb(238, 141, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 141, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 141, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 141, 83);  
box-shadow:4px 4px 4px 4px rgb(238, 141,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 56.016, 55.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 141, 83) }
```

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

```
.background{ background-color: rgb(238,  
141, 83) }
```

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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