

Converting Colors

CIELCh(69, 44.462, 55.173)

Have a look what the booklet for
CIELCh(69, 44.462, 55.173) contains.

CIELCh(69, 44.532, 55.159)	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(69, 44.532, 55.159)

Conversions

Conversions Part 1

Format	Color
Hex	E59567
RGB	229, 149, 103
RGB Percent	90%, 58%, 40%
CMY	0.1002, 0.4141, 0.5946
CMYK	0.00, 0.35, 0.55, 0.10
HSL	22°, 71%, 65%
HSV	22°, 55%, 90%
XYZ	45.7393, 39.3444, 18.1166
YIQ	167.6760, 62.4460, 2.6540

Conversions

Conversions Part 2

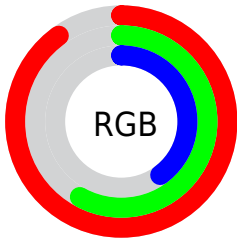
Format	Color
R _Y B	229, 175, 103
Decimal	15045991
CIE Lab	69.00, 25.44, 36.55
CIE LCh	69, 44.532, 55.159
Yxy	39.3444, 0.4432, 0.3812
Android (android.graphics.Color)	4293236071 (0xFFE59567)
YUV	167.6760, -31.8853, 53.7811
Hunter-Lab	62.7251, 20.3938, 26.7831

Details

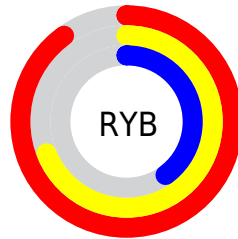
The CIELCh color **69, 44.532, 55.159** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **71, 32.663, 249.060**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 33.391, 69.452**, and **49, 44.390, 55.237** is the 20% darker color. If you saturate the color by 10%, you get **65, 54.307, 54.531**, and if you desaturate by 10%, it is **73, 35.199, 55.841**.

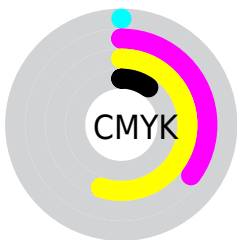
Distribution



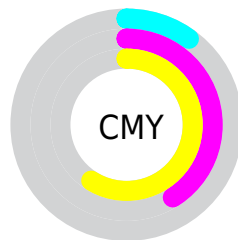
- Red (90%)
- Green (58%)
- Blue (40%)



- Red (90%)
- Yellow (69%)
- Blue (40%)



- Cyan (0%)
- Magenta (35%)
- Yellow (55%)
- Black (10%)



- Cyan (10%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 44.532, 55.159 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 69, 44.532, 55.159 by changing the saturation by 10% instead.

 69, 44.532, 55.159

 69, 44.532, 55.159

 100, 44.532,
55.159

 59, 44.532, 55.159

 89, 44.532, 55.159

 49, 44.532, 55.159

 99, 44.532, 55.159

 39, 44.532, 55.159

 29, 44.532, 55.159

 19, 44.532, 55.159

 9, 44.532, 55.159

 0, 44.532, 55.159

 69, 44.532, 55.159

 69, 44.532, 55.159

 65, 54.307, 54.531

 73, 35.199, 55.841

62, 64.244, 53.866

77, 26.417, 56.586

59, 73.696, 52.960

81, 18.203, 57.390

56, 81.437, 51.383

85, 10.533, 58.233

55, 84.650, 50.414

89, 3.367, 59.025

93, 3.347, 240.251

97, 7.656, 212.992

98, 8.701, 198.932

Harmonies

Complementary

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



69, 44.532, 55.159



71, 32.663, 249.060

Rectangle

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



69, 44.532, 55.159



69, 44.532, 105.159



69, 44.532, 235.159



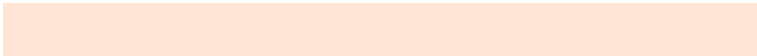
69, 44.532, 285.159

Sweetspot

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



69, 44.531, 55.163



93, 12.334, 58.135



62, 61.423, 341.193



48, 8.387, 57.959



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 44.531, 55.163



72, 60.367, 54.441



84, 55.056, 97.003



46, 3.929, 58.692



43, 69.749, 51.031



10, 21.570, 46.521

Inverse Universe

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



71, 32.663, 249.060



75, 41.132, 252.734



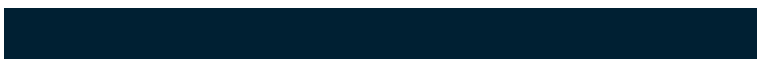
55, 61.411, 292.561



46, 3.765, 240.664



46, 41.998, 267.095



11, 15.929, 257.608

Previews

White Background



This preview shows how the CIELCh color 69, 44.532, 55.159 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 69, 44.532, 55.159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

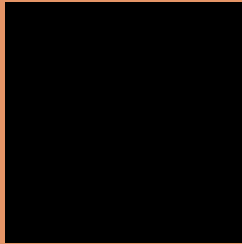
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 44.532, 55.159

Background



This preview shows how black text looks on a background with the CIELCh color 69, 44.532, 55.159.



This preview shows how white text looks on a background with the CIELCh color 69, 44.532, 55.159.

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

69, 44.532, 55.159

Protanopia

69, 31.944, 96.161

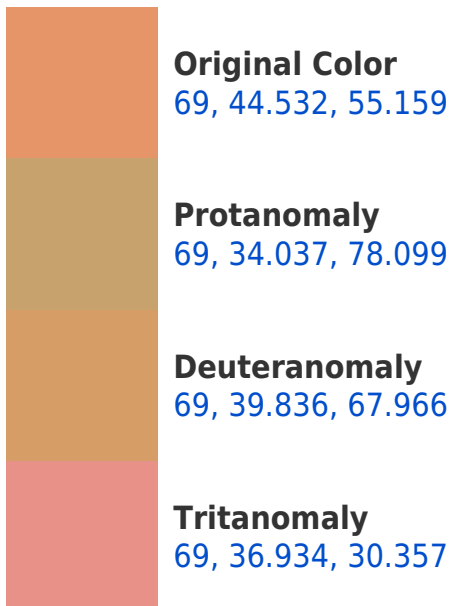
Deuteranopia

69, 38.343, 76.487



Tritanopia
69, 36.448, 13.916

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 44.532, 55.159 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(229, 149, 103)` looks like.

```
.text, #text, p{  
    color:rgb(229, 149, 103)  
}
```

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(229, 149, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 149, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 44.532, 55.159 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(229, 149, 103) }
```

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

```
.border{ border-color:rgb(229, 149, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 149, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 149, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 149, 103);  
box-shadow:4px 4px 4px 4px rgb(229, 149,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 44.532, 55.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 149, 103) }
```

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

```
.background{ background-color: rgb(229,  
149, 103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor