

Converting Colors

CIELCh(69, 53.643, 68.078)

Have a look what the booklet for
CIELCh(69, 53.643, 68.078) contains.

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Color

CIELCh(69, 53.635, 68.304)

Conversions

Conversions Part 1

Format	Color
Hex	E1994D
RGB	225, 153, 77
RGB Percent	88%, 60%, 30%
CMY	0.1175, 0.3998, 0.6979
CMYK	0.00, 0.32, 0.66, 0.12
HSL	31°, 71%, 59%
HSV	31°, 66%, 88%
XYZ	43.8016, 39.3444, 12.3132
YIQ	165.8640, 67.3080, -8.3720

Conversions

Conversions Part 2

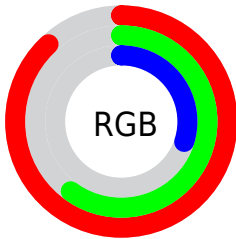
Format	Color
RYB	217, 225, 77
Decimal	14784845
CIELab	69.00, 19.83, 49.84
CIElCh	69, 53.635, 68.304
Yxy	39.3444, 0.4589, 0.4122
Android (android.graphics.Color)	4292974925 (0xFFE1994D)
YUV	165.8640, -43.8100, 51.8623
Hunter-Lab	62.7251, 14.8793, 32.2687

Details

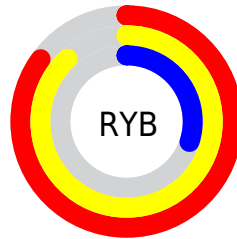
The CIELCh color **69, 53.635, 68.304** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **60, 45.247, 271.541**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 45.573, 80.416**, and **49, 53.433, 68.535** is the 20% darker color. If you saturate the color by 10%, you get **66, 62.221, 66.771**, and if you desaturate by 10%, it is **72, 44.779, 69.698**.

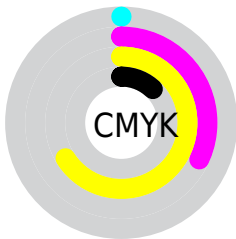
Distribution



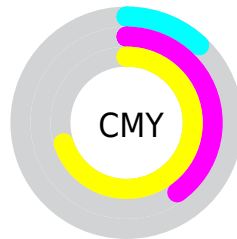
- Red (88%)
- Green (60%)
- Blue (30%)



- Red (85%)
- Yellow (88%)
- Blue (30%)



- Cyan (0%)
- Magenta (32%)
- Yellow (66%)
- Black (12%)



- Cyan (12%)
- Magenta (40%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 53.635, 68.304 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, 53.635, 68.304 by changing the saturation by 10% instead.

 69, 53.635, 68.304

 69, 53.635, 68.304

 100, 53.635,
68.304

 59, 53.635, 68.304

 89, 53.635, 68.304

 49, 53.635, 68.304

 99, 53.635, 68.304

 39, 53.635, 68.304

 29, 53.635, 68.304

 19, 53.635, 68.304

 9, 53.635, 68.304

 0, 53.635, 68.304

 69, 53.635, 68.304

 69, 53.635, 68.304

 66, 62.221, 66.771

 72, 44.779, 69.698

64, 69.833, 64.901

75, 36.025, 71.028

61, 75.412, 62.372

78, 27.543, 72.332

60, 77.331, 61.198

81, 19.399, 73.617

84, 11.605, 74.879

88, 4.149, 76.070

91, 2.996, 257.517

94, 8.990, 254.816

97, 9.123, 210.047

Harmonies

Complementary

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



69, 53.635, 68.304



60, 45.247, 271.541

Rectangle

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



69, 53.635, 68.304



69, 53.635, 118.304



69, 53.635, 248.304



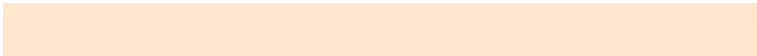
69, 53.635, 298.304

Sweetspot

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



69, 53.634, 68.308



93, 16.452, 74.331



56, 64.351, 351.849



48, 11.297, 73.973



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, 53.634, 68.308



73, 71.730, 66.117



87, 71.390, 104.191



45, 4.110, 75.650



48, 64.146, 61.863



11, 19.658, 61.764

Inverse Universe

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



60, 45.247, 271.541



62, 59.756, 276.953



42, 87.686, 300.953



45, 4.029, 258.173



37, 55.970, 285.202



8, 19.408, 276.056

Previews

White Background



This preview shows how the CIELCh color 69, 53.635, 68.304 looks on a white background.

Color Contrast Check

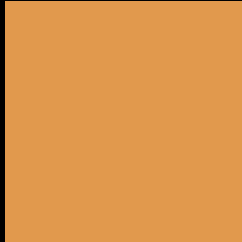
Large Text (above 18pt) WCAG AA × Fail

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, 53.635, 68.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

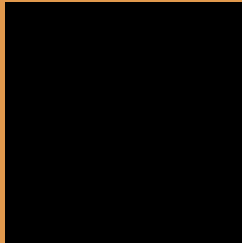
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 53.635, 68.304

Background



This preview shows how black text looks on a background with the CIELCh color 69, 53.635, 68.304.



This preview shows how white text looks on a background with the CIELCh color 69, 53.635, 68.304.

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, 53.635, 68.304

Protanopia

69, 46.791, 95.604

Deuteranopia

69, 51.212, 80.296



Tritanopia
69, 34.810, 13.265

Trichromacy



Original Color
69, 53.635, 68.304

Protanomaly
69, 47.792, 84.631

Deuteranomaly
69, 51.708, 75.589

Tritanomaly
69, 36.665, 39.418

Monochromacy



Original Color
69, 53.635, 68.304

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.409, 72.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 53.635, 68.304 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, 153, 77)` looks like.

```
.text, #text, p{  
    color:rgb(225, 153, 77)  
}
```

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, 153, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 153, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 53.635, 68.304 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, 153, 77) }
```

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

```
.border{ border-color:rgb(225, 153, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 153, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 153, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 153, 77);  
box-shadow:4px 4px 4px 4px rgb(225, 153,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 53.635, 68.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 153, 77) }
```

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

```
.background{ background-color: rgb(225,  
153, 77) }
```

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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