

Converting Colors

CIELCh(76, 55.624, 70.990)

Have a look what the booklet for
CIELCh(76, 55.624, 70.990) contains.

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Color

CIELCh(76, 55.766, 70.911)

Conversions

Conversions Part 1

Format	Color
Hex	F5AD59
RGB	245, 173, 89
RGB Percent	96%, 68%, 35%
CMY	0.0402, 0.3224, 0.6518
CMYK	0.00, 0.29, 0.64, 0.04
HSL	32°, 88%, 65%
HSV	32°, 64%, 96%
XYZ	54.2639, 49.8872, 16.1740
YIQ	184.9520, 69.8760, -10.8600

Conversions

Conversions Part 2

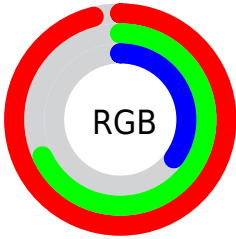
Format	Color
R _Y B	223, 245, 89
Decimal	16100697
CIE Lab	76.00, 18.24, 52.70
CIE LCh	76, 55.766, 70.911
Yxy	49.8872, 0.4510, 0.4146
Android (android.graphics.Color)	4294290777 (0xFFF5AD59)
YUV	184.9520, -47.3043, 52.6621
Hunter-Lab	70.6309, 13.5328, 35.8646

Details

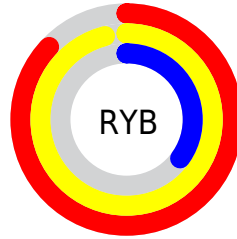
The CIELCh color **76, 55.766, 70.911** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **65, 48.770, 273.513**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 45.268, 92.448**, and **56, 56.029, 71.091** is the 20% darker color. If you saturate the color by 10%, you get **73, 64.867, 69.337**, and if you desaturate by 10%, it is **79, 46.381, 72.358**.

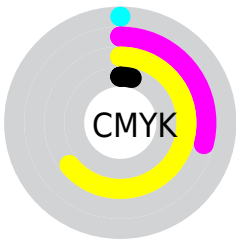
Distribution



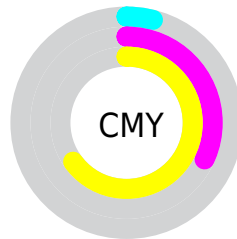
- Red (96%)
- Green (68%)
- Blue (35%)



- Red (87%)
- Yellow (96%)
- Blue (35%)



- Cyan (0%)
- Magenta (29%)
- Yellow (64%)
- Black (4%)



- Cyan (4%)
- Magenta (32%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 55.766, 70.911 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 76, 55.766, 70.911 by changing the saturation by 10% instead.

 76, 55.766, 70.911

 76, 55.766, 70.911

 100, 55.766,
70.911

 66, 55.766, 70.911

 96, 55.766, 70.911

 56, 55.766, 70.911

 46, 55.766, 70.911

 36, 55.766, 70.911

 26, 55.766, 70.911

 16, 55.766, 70.911

 6, 55.766, 70.911

 0, 55.766, 70.911

 76, 55.766, 70.911

 76, 55.766, 70.911

73, 64.867, 69.337

79, 46.381, 72.358

70, 72.984, 67.465

82, 37.081, 73.741

68, 79.039, 65.011

85, 28.040, 75.091

66, 81.689, 63.159

88, 19.325, 76.415

92, 10.951, 77.704

95, 2.905, 78.879

98, 2.915, 233.098

99, 3.544, 199.368

Harmonies

Complementary

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



76, 55.766, 70.911



65, 48.770, 273.513

Rectangle

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



76, 55.766, 70.911



76, 55.766, 120.911



76, 55.766, 250.911



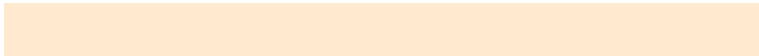
76, 55.766, 300.911

Sweetspot

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



76, 55.765, 70.915



93, 15.849, 77.024



61, 66.249, 353.776



49, 10.972, 76.652



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 55.765, 70.915



75, 69.093, 68.915



94, 74.492, 105.973



49, 4.497, 78.231



51, 66.346, 63.841



15, 24.690, 65.451

Inverse Universe

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



65, 48.770, 273.513



62, 60.018, 278.214



47, 90.629, 301.150



48, 4.423, 260.802



38, 61.550, 287.652



10, 23.741, 280.703

Previews

White Background



This preview shows how the CIELCh color 76, 55.766, 70.911 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 76, 55.766, 70.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

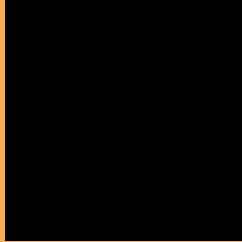
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 55.766, 70.911

Background



This preview shows how black text looks on a background with the CIELCh color 76, 55.766, 70.911.



This preview shows how white text looks on a background with the CIELCh color 76, 55.766, 70.911.

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
76, 34.865, 12.260

Trichromacy



Original Color
76, 55.766, 70.911

Protanomaly
76, 50.455, 85.795

Deuteranomaly
76, 54.543, 76.480

Tritanomaly
76, 36.746, 41.299

Monochromacy



Original Color
76, 55.766, 70.911

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 19.789, 76.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 55.766, 70.911 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(245, 173, 89)` looks like.

```
.text, #text, p{  
    color:rgb(245, 173, 89)  
}
```

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(245, 173, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 173, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 55.766, 70.911 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(245, 173, 89) }
```

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

```
.border{ border-color:rgb(245, 173, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 173, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 173, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 173, 89);  
box-shadow:4px 4px 4px 4px rgb(245, 173,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 55.766, 70.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 173, 89) }
```

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

```
.background{ background-color: rgb(245,  
173, 89) }
```

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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