

Converting Colors

CIELCh(76, 56.108, 80.035)

Have a look what the booklet for
CIELCh(76, 56.108, 80.035) contains.

CIELCh(76, 55.896, 80.433)	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(76, 55.896, 80.433)

Conversions

Conversions Part 1

Format	Color
Hex	E8B353
RGB	232, 179, 83
RGB Percent	91%, 70%, 33%
CMY	0.0912, 0.2989, 0.6753
CMYK	0.00, 0.23, 0.64, 0.09
HSL	39°, 76%, 62%
HSV	39°, 64%, 91%
XYZ	50.8275, 49.8872, 15.0910
YIQ	183.9030, 62.4040, -18.6200

Conversions

Conversions Part 2

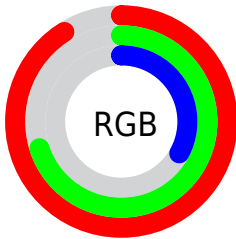
Format	Color
RYB	165, 232, 83
Decimal	15250259
CIELab	76.00, 9.29, 55.12
CIELCh	76, 55.896, 80.433
Yxy	49.8872, 0.4389, 0.4308
Android (android.graphics.Color)	4293440339 (0xFFE8B353)
YUV	183.9030, -49.7452, 42.1811
Hunter-Lab	70.6309, 4.8482, 36.7737

Details

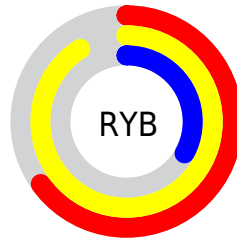
The CIELCh color **76, 55.896, 80.433** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **57, 55.269, 282.890**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 50.593, 96.829**, and **56, 56.136, 80.595** is the 20% darker color. If you saturate the color by 10%, you get **74, 63.979, 78.792**, and if you desaturate by 10%, it is **78, 47.170, 81.955**.

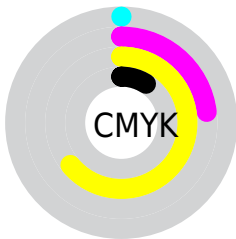
Distribution



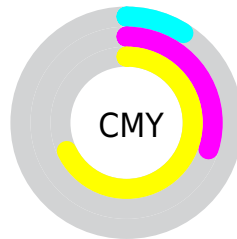
- Red (91%)
- Green (70%)
- Blue (33%)



- Red (65%)
- Yellow (91%)
- Blue (33%)



- Cyan (0%)
- Magenta (23%)
- Yellow (64%)
- Black (9%)



- Cyan (9%)
- Magenta (30%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 55.896, 80.433 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, 55.896, 80.433 by changing the saturation by 10% instead.

 76, 55.896, 80.433

 76, 55.896, 80.433

 100, 55.896,
80.433

 66, 55.896, 80.433

 96, 55.896, 80.433

 56, 55.896, 80.433

 46, 55.896, 80.433

 36, 55.896, 80.433

 26, 55.896, 80.433

 16, 55.896, 80.433

 6, 55.896, 80.433

 0, 55.896, 80.433

 76, 55.896, 80.433

 76, 55.896, 80.433

74, 63.979, 78.792

78, 47.170, 81.955

72, 70.707, 76.905

81, 38.232, 83.402

70, 75.150, 74.579

83, 29.312, 84.802

69, 76.752, 73.060

86, 20.525, 86.160

88, 11.923, 87.471

91, 3.522, 88.692

93, 4.680, 270.066

96, 6.815, 250.150

98, 7.291, 207.313

Harmonies

Complementary

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



76, 55.896, 80.433



57, 55.269, 282.890

Rectangle

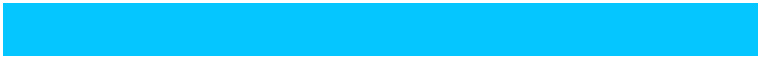
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 55.896, 80.433



76, 55.896, 130.433



76, 55.896, 260.433



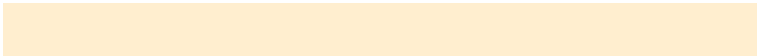
76, 55.896, 310.433

Sweetspot

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



76, 55.896, 80.436



95, 17.250, 86.845



57, 61.907, 1.156



50, 11.914, 86.466



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, 55.896, 80.436



80, 71.239, 78.235



88, 72.287, 110.849



47, 4.676, 88.081



54, 63.123, 73.628



14, 21.808, 76.268

Inverse Universe

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



57, 55.269, 282.890



56, 72.487, 287.446



45, 87.124, 303.155



45, 4.664, 270.594



31, 72.002, 295.214



6, 24.772, 286.674

Previews

White Background



This preview shows how the CIELCh color 76, 55.896, 80.433 looks on a white background.

Color Contrast Check

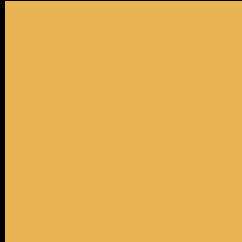
Large Text (above 18pt) WCAG AA × Fail

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, 55.896, 80.433 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, 55.896, 80.433

Background



This preview shows how black text looks on a background with the CIELCh color 76, 55.896, 80.433.



This preview shows how white text looks on a background with the CIELCh color 76, 55.896, 80.433.

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

76, 55.896, 80.433

Protanopia

76, 53.394, 95.740

Deuteranopia

76, 55.719, 79.851



Tritanopia
76, 28.182, 7.858

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 55.896, 80.433 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(232, 179, 83)` looks like.

```
.text, #text, p{  
    color:rgb(232, 179, 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(232, 179, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 179, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 55.896, 80.433 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(232, 179, 83) }
```

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

```
.border{ border-color:rgb(232, 179, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 179, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 179, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 179, 83);  
box-shadow:4px 4px 4px 4px rgb(232, 179,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 55.896, 80.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 179, 83) }
```

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

```
.background{ background-color: rgb(232,  
179, 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](#).

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