

Converting Colors

CIELCh(76, 54.228, 79.817)

Have a look what the booklet for
CIELCh(76, 54.228, 79.817) contains.

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Color

CIELCh(76, 54.159, 79.851)

Conversions

Conversions Part 1

Format	Color
Hex	E8B357
RGB	232, 179, 87
RGB Percent	91%, 70%, 34%
CMY	0.0916, 0.2993, 0.6600
CMYK	0.00, 0.23, 0.63, 0.09
HSL	38°, 76%, 62%
HSV	38°, 63%, 91%
XYZ	50.9227, 49.8872, 15.8953
YIQ	184.3590, 61.1200, -17.3760

Conversions

Conversions Part 2

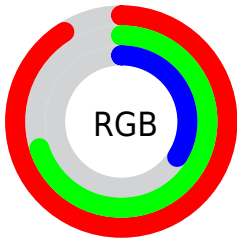
Format	Color
RYB	171, 232, 87
Decimal	15250263
CIELab	76.00, 9.54, 53.31
CIELCh	76, 54.159, 79.851
Yxy	49.8872, 0.4363, 0.4275
Android (android.graphics.Color)	4293440343 (0xFFE8B357)
YUV	184.3590, -47.9980, 41.7812
Hunter-Lab	70.6309, 5.0889, 36.0986

Details

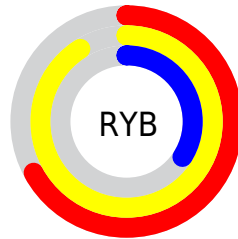
The CIELCh color **76, 54.159, 79.851** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **58, 52.924, 281.588**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 48.697, 96.655**, and **56, 54.123, 80.019** is the 20% darker color. If you saturate the color by 10%, you get **74, 62.429, 78.231**, and if you desaturate by 10%, it is **78, 45.370, 81.362**.

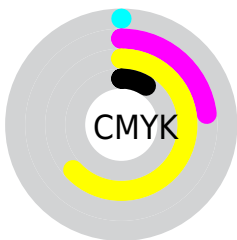
Distribution



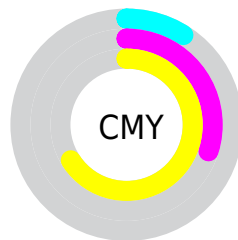
- Red (91%)
- Green (70%)
- Blue (34%)



- Red (67%)
- Yellow (91%)
- Blue (34%)



- Cyan (0%)
- Magenta (23%)
- Yellow (63%)
- Black (9%)



- Cyan (9%)
- Magenta (30%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 54.159, 79.851 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, 54.159, 79.851 by changing the saturation by 10% instead.

 76, 54.159, 79.851

 76, 54.159, 79.851

 100, 54.159,
79.851

 66, 54.159, 79.851

 96, 54.159, 79.851

 56, 54.159, 79.851

 46, 54.159, 79.851


 36, 54.159, 79.851

 26, 54.159, 79.851

 16, 54.159, 79.851

 6, 54.159, 79.851

 0, 54.159, 79.851

 76, 54.159, 79.851

 76, 54.159, 79.851

74, 62.429, 78.231

78, 45.370, 81.362

72, 69.522, 76.383

81, 36.444, 82.803

69, 74.515, 74.119

83, 27.582, 84.198

68, 76.758, 72.129

86, 18.880, 85.552

88, 10.379, 86.857

91, 2.091, 88.019

94, 5.991, 269.436

96, 6.626, 241.117

98, 7.923, 199.565

Harmonies

Complementary

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



76, 54.159, 79.851



58, 52.924, 281.588

Rectangle

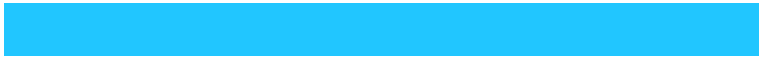
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 54.159, 79.851



76, 54.159, 129.851



76, 54.159, 259.851



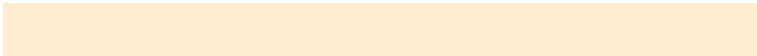
76, 54.159, 309.851

Sweetspot

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



76, 54.159, 79.855



95, 17.101, 86.012



58, 60.510, 0.712



50, 11.814, 85.631



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, 54.159, 79.855



80, 69.454, 77.739



88, 70.706, 110.927



47, 4.633, 87.251



53, 63.140, 72.711



14, 21.696, 75.254

Inverse Universe

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



58, 52.924, 281.588



57, 69.363, 285.999



46, 84.645, 302.890



45, 4.615, 269.775



32, 70.834, 294.613



6, 24.458, 286.154

Previews

White Background



This preview shows how the CIELCh color 76, 54.159, 79.851 looks on a white background.

Color Contrast Check

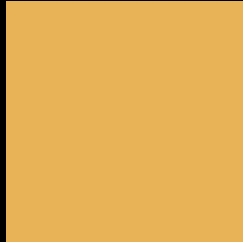
Large Text (above 18pt) WCAG AA × Fail

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, 54.159, 79.851 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, 54.159, 79.851

Background



This preview shows how black text looks on a background with the CIELCh color 76, 54.159, 79.851.



This preview shows how white text looks on a background with the CIELCh color 76, 54.159, 79.851.

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, 54.159, 79.851

Protanopia

76, 51.562, 95.612

Deuteranopia

76, 54.159, 79.851



Tritanopia
76, 28.182, 7.858

Trichromacy



Original Color
76, 54.159, 79.851

Protanomaly
76, 52.041, 89.751

Deuteranomaly
76, 54.159, 79.851

Tritanomaly
76, 30.011, 47.444

Monochromacy



Original Color
76, 54.159, 79.851

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 19.356, 85.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 54.159, 79.851 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(232, 179, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 179, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 54.159, 79.851 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, 87) }
```

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

```
.border{ border-color:rgb(232, 179, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 179, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 179, 87);  
box-shadow:4px 4px 4px 4px rgb(232, 179,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 54.159, 79.851 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, 87) }
```

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

```
.background{ background-color: rgb(232,  
179, 87) }
```

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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