

Converting Colors

CIELCh(78, 56.473, 89.269)

Have a look what the booklet for
CIELCh(78, 56.473, 89.269) contains.

CIELCh(78, 56.760, 89.359)	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(78, 56.760, 89.359)

Conversions

Conversions Part 1

Format	Color
Hex	E1BE54
RGB	225, 190, 84
RGB Percent	88%, 75%, 33%
CMY	0.1195, 0.2565, 0.6722
CMYK	0.00, 0.16, 0.63, 0.12
HSL	45°, 70%, 60%
HSV	45°, 63%, 88%
XYZ	50.8146, 53.2120, 15.8968
YIQ	188.3810, 54.8860, -25.5460

Conversions

Conversions Part 2

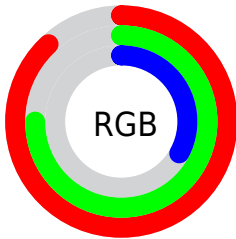
Format	Color
RYB	131, 225, 84
Decimal	14794324
CIELab	78.00, 0.63, 56.76
CIELCh	78, 56.760, 89.359
Yxy	53.2120, 0.4237, 0.4437
Android (android.graphics.Color)	4292984404 (0xFFE1BE54)
YUV	188.3810, -51.4598, 32.1149
Hunter-Lab	72.9466, -3.3134, 38.1419

Details

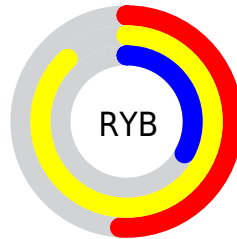
The CIELCh color **78, 56.760, 89.359** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **52, 61.373, 289.516**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 54.389, 102.071**, and **58, 56.724, 89.574** is the 20% darker color. If you saturate the color by 10%, you get **76, 64.514, 87.945**, and if you desaturate by 10%, it is **80, 48.148, 90.724**.

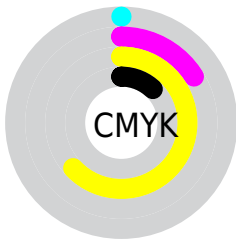
Distribution



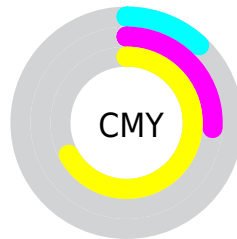
- Red (88%)
- Green (75%)
- Blue (33%)



- Red (51%)
- Yellow (88%)
- Blue (33%)



- Cyan (0%)
- Magenta (16%)
- Yellow (63%)
- Black (12%)



- Cyan (12%)
- Magenta (26%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 56.760, 89.359 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 78, 56.760, 89.359 by changing the saturation by 10% instead.

 78, 56.760, 89.359

 78, 56.760, 89.359

 100, 56.760,
89.359

 68, 56.760, 89.359

 98, 56.760, 89.359

 58, 56.760, 89.359

 48, 56.760, 89.359

 38, 56.760, 89.359

 28, 56.760, 89.359

 18, 56.760, 89.359

 8, 56.760, 89.359

 0, 56.760, 89.359

 78, 56.760, 89.359

 78, 56.760, 89.359

76, 64.514, 87.945

80, 48.148, 90.724

75, 70.748, 86.421

81, 39.113, 92.050

73, 74.678, 84.699

83, 29.915, 93.346

72, 76.124, 83.311

85, 20.698, 94.610

87, 11.540, 95.834

89, 2.480, 96.961

91, 6.465, 278.221

93, 11.191,
274.181

94, 9.302, 257.312

Harmonies

Complementary

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



78, 56.760, 89.359



52, 61.373, 289.516

Rectangle

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



78, 56.760, 89.359



78, 56.760, 139.359



78, 56.760, 269.359



78, 56.760, 319.359

Sweetspot

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



78, 56.760, 89.362



96, 19.111, 95.060



56, 58.398, 9.710



51, 13.173, 94.704



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 56.760, 89.362



85, 73.122, 87.538



85, 70.329, 116.329



46, 5.117, 96.229



58, 63.525, 83.676



15, 22.174, 86.736

Inverse Universe

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



52, 61.373, 289.516



52, 82.922, 293.434



46, 82.480, 305.566



44, 5.157, 278.561



26, 83.433, 300.580



4, 26.239, 289.882

Previews

White Background



This preview shows how the CIELCh color 78, 56.760, 89.359 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 CIE LCh color 78, 56.760, 89.359 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 78, 56.760, 89.359

Background



This preview shows how black text looks on a background with the CIELCh color 78, 56.760, 89.359.



This preview shows how white text looks on a background with the CIELCh color 78, 56.760, 89.359.

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

78, 56.760, 89.359

Protanopia

78, 56.044, 95.610

Deuteranopia

78, 57.403, 80.259



Tritanopia
78, 22.068, 1.692

Trichromacy



Original Color
78, 56.760, 89.359

Protanomaly
78, 56.523, 93.397

Deuteranomaly
78, 57.231, 83.470

Tritanomaly
78, 25.221, 57.967

Monochromacy



Original Color
78, 56.760, 89.359

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 21.364, 95.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 56.760, 89.359 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, 190, 84)` looks like.

```
.text, #text, p{  
    color:rgb(225, 190, 84)  
}
```

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, 190, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 190, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 56.760, 89.359 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, 190, 84) }
```

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

```
.border{ border-color:rgb(225, 190, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 190, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 190, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 190, 84);  
box-shadow:4px 4px 4px 4px rgb(225, 190,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 56.760, 89.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 190, 84) }
```

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

```
.background{ background-color: rgb(225,  
190, 84) }
```

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