

Converting Colors

CIELCh(91, 81.568, 96.584)

Have a look what the booklet for
CIELCh(91, 81.568, 96.584) contains.

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Color

CIELCh(91, 81.586, 96.620)

Conversions

Conversions Part 1

Format	Color
Hex	FEE737
RGB	254, 231, 55
RGB Percent	100%, 91%, 22%
CMY	0.0040, 0.0942, 0.7844
CMYK	0.00, 0.09, 0.78, 0.00
HSL	53°, 99%, 61%
HSV	53°, 78%, 100%
XYZ	70.1247, 78.4833, 15.0642
YIQ	217.8130, 70.2040, -49.8600

Conversions

Conversions Part 2

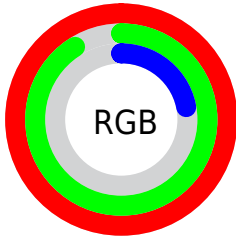
Format	Color
R _Y B	81, 254, 55
Decimal	16705335
CIE Lab	91.00, -9.41, 81.04
CIE LCh	91, 81.586, 96.620
Yxy	78.4833, 0.4284, 0.4795
Android (android.graphics.Color)	4294895415 (0xFFFE737)
YUV	217.8130, -80.2668, 31.7360
Hunter-Lab	88.5908, -13.7410, 51.9318

Details

The CIELCh color **91, 81.586, 96.620** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **43, 102.903, 300.296**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 67.460, 105.017**, and **71, 73.804, 96.861** is the 20% darker color. If you saturate the color by 10%, you get **90, 86.612, 95.688**, and if you desaturate by 10%, it is **92, 74.102, 97.611**.

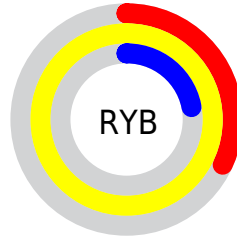
Distribution



Red (100%)

Green (91%)

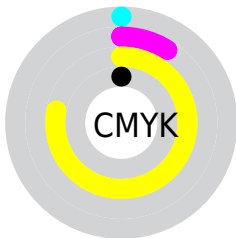
Blue (22%)



Red (32%)

Yellow (100%)

Blue (22%)

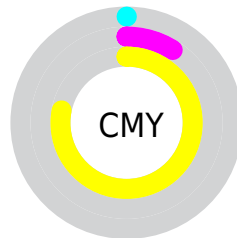


Cyan (0%)

Magenta (9%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 81.586, 96.620 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 91, 81.586, 96.620 by changing the saturation by 10% instead.

91, 81.586, 96.620

91, 81.586, 96.620

100, 81.586,
96.620

81, 81.586, 96.620

71, 81.586, 96.620

61, 81.586, 96.620

51, 81.586, 96.620

41, 81.586, 96.620

31, 81.586, 96.620

21, 81.586, 96.620

11, 81.586, 96.620

1, 81.586, 96.620

91, 81.586, 96.620

91, 81.586, 96.620

90, 86.612, 95.688

92, 74.102, 97.611

89, 88.812, 94.785

93, 64.891, 98.653

89, 89.041, 94.638

94, 54.598, 99.735

95, 43.679,
100.841

96, 32.425,
101.953

97, 21.014,
103.058

99, 9.553, 104.138

100, 0.328,
259.574

100, 0.355,
201.250

Harmonies

Complementary

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



91, 81.586, 96.620



43, 102.903, 300.296

Rectangle

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



91, 81.586, 96.620



91, 81.586, 146.620



91, 81.586, 276.620



91, 81.586, 326.620

Sweetspot

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



91, 81.586, 96.622



97, 27.561, 102.435



56, 81.656, 25.950



51, 18.922, 102.040



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 81.586, 96.622



90, 88.441, 95.175



92, 94.321, 122.080



53, 6.526, 104.016



69, 72.025, 94.791



23, 32.455, 96.029

Inverse Universe

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



43, 102.903, 300.296



36, 122.461, 303.983



45, 111.283, 309.768



49, 6.638, 286.128



25, 101.830, 304.703



5, 40.453, 299.639

Previews

White Background



This preview shows how the CIE LCh color 91, 81.586, 96.620 looks on a white background.

Color Contrast Check

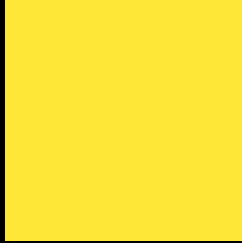
Large Text (above 18pt) WCAG AA × Fail

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 91, 81.586, 96.620 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 91, 81.586, 96.620

Background



This preview shows how black text looks on a background with the CIELCh color 91, 81.586, 96.620.



This preview shows how white text looks on a background with the CIELCh color 91, 81.586, 96.620.

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
91, 81.586, 96.620

Protanopia
91, 68.409, 95.720

Deuteranopia
91, 24.264, 79.647



Tritanopia
91, 13.892, 356.291

Trichromacy



Original Color
91, 81.586, 96.620

Protanomaly
91, 73.461, 95.873

Deuteranomaly
91, 47.319, 92.306

Tritanomaly
90, 31.987, 85.025

Monochromacy



Original Color
91, 81.586, 96.620

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 33.122, 101.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 81.586, 96.620 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(254, 231, 55)` looks like.

```
.text, #text, p{  
    color:rgb(254, 231, 55)  
}
```

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(254, 231, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 231, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 81.586, 96.620 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(254, 231, 55) }
```

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

```
.border{ border-color:rgb(254, 231, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 231, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 231, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 231, 55);  
box-shadow:4px 4px 4px 4px rgb(254, 231,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 81.586, 96.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 231, 55) }
```

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

```
.background{ background-color: rgb(254,  
231, 55) }
```

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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