

Converting Colors

CIELCh(80, 44.703, 76.303)

Have a look what the booklet for
CIELCh(80, 44.703, 76.303) contains.

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Color

CIELCh(80, 44.732, 76.196)

Conversions

Conversions Part 1

Format	Color
Hex	F2BD75
RGB	242, 189, 117
RGB Percent	95%, 74%, 46%
CMY	0.0502, 0.2580, 0.5405
CMYK	0.00, 0.22, 0.52, 0.05
HSL	35°, 83%, 70%
HSV	35°, 52%, 95%
XYZ	58.1511, 56.6813, 24.7613
YIQ	196.6390, 54.7000, -11.1560

Conversions

Conversions Part 2

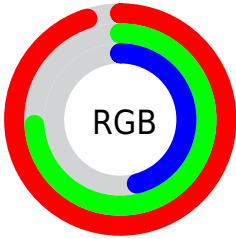
Format	Color
R _Y B	209, 242, 117
Decimal	15908213
CIE Lab	80.00, 10.67, 43.44
CIE LCh	80, 44.732, 76.196
Yxy	56.6813, 0.4166, 0.4060
Android (android.graphics.Color)	4294098293 (0xFFFF2BD75)
YUV	196.6390, -39.2620, 39.7816
Hunter-Lab	75.2870, 6.1198, 33.2008

Details

The CIELCh color **80, 44.732, 76.196** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69, 41.390, 273.269**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 38.108, 101.284**, and **60, 44.519, 76.334** is the 20% darker color. If you saturate the color by 10%, you get **77, 53.949, 74.717**, and if you desaturate by 10%, it is **83, 35.551, 77.622**.

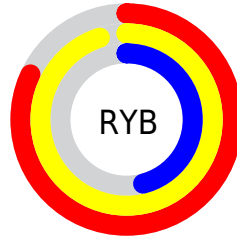
Distribution



Red (95%)

Green (74%)

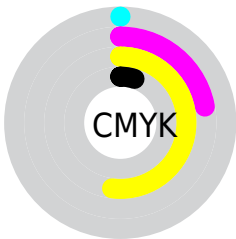
Blue (46%)



Red (82%)

Yellow (95%)

Blue (46%)

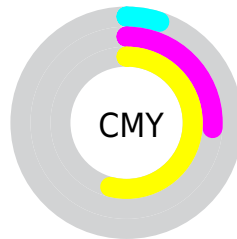


Cyan (0%)

Magenta (22%)

Yellow (52%)

Black (5%)



Cyan (5%)

Magenta (26%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 44.732, 76.196 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 80, 44.732, 76.196 by changing the saturation by 10% instead.

80, 44.732, 76.196

80, 44.732, 76.196

100, 44.732,
76.196

70, 44.732, 76.196

60, 44.732, 76.196

50, 44.732, 76.196

40, 44.732, 76.196

30, 44.732, 76.196

20, 44.732, 76.196

10, 44.732, 76.196

0, 44.732, 76.196

80, 44.732, 76.196

80, 44.732, 76.196

77, 53.949, 74.717

83, 35.551, 77.622

75, 62.863, 73.116

86, 26.569, 79.005

72, 70.840, 71.272

89, 17.856, 80.353

70, 76.897, 68.951

92, 9.429, 81.654

68, 80.138, 66.541

95, 1.284, 82.696

98, 3.629, 235.487

99, 4.410, 199.276

Harmonies

Complementary

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



80, 44.732, 76.196



69, 41.390, 273.269

Rectangle

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



80, 44.732, 76.196



80, 44.732, 126.196



80, 44.732, 256.196



80, 44.732, 306.196

Sweetspot

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



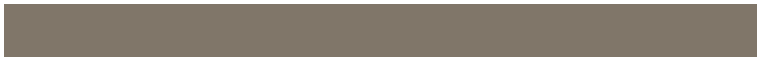
80, 44.732, 76.200



95, 12.768, 81.216



65, 54.056, 353.649



50, 8.744, 80.941



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 44.732, 76.200



81, 56.616, 74.633



93, 61.751, 108.428



49, 4.555, 81.924



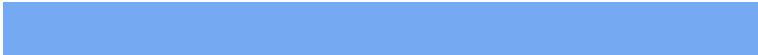
52, 64.991, 67.211



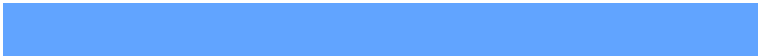
15, 23.660, 69.238

Inverse Universe

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



69, 41.390, 273.269



67, 51.903, 276.551



56, 71.337, 299.516



47, 4.504, 264.499



36, 65.332, 290.643



8, 24.426, 283.652

Previews

White Background



This preview shows how the CIELCh color 80, 44.732, 76.196 looks on a white background.

Color Contrast Check

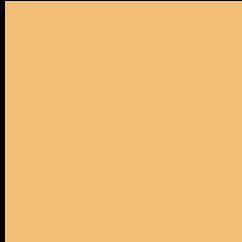
Large Text (above 18pt) WCAG AA × Fail

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 80, 44.732, 76.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

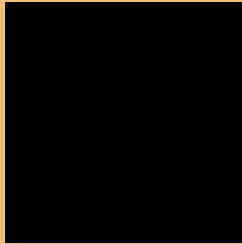
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 44.732, 76.196

Background



This preview shows how black text looks on a background with the CIELCh color 80, 44.732, 76.196.



This preview shows how white text looks on a background with the CIELCh color 80, 44.732, 76.196.

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](#).

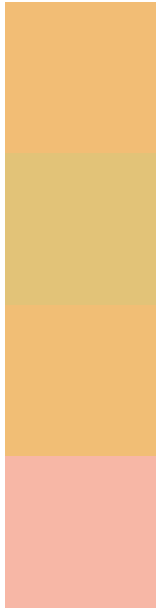
Dichromacy





Tritanopia
80, 27.170, 6.085

Trichromacy



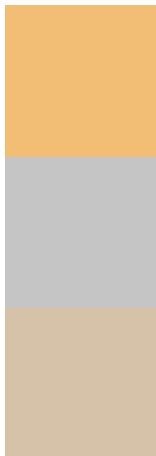
Original Color
80, 44.732, 76.196

Protanomaly
80, 41.614, 88.186

Deuteranomaly
80, 44.672, 77.402

Tritanomaly
80, 27.440, 40.246

Monochromacy



Original Color
80, 44.732, 76.196

Achromatopsia
80, 0.010, 296.813

Achromatomaly
79, 15.724, 80.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 44.732, 76.196 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(242, 189, 117)` looks like.

```
.text, #text, p{  
    color:rgb(242, 189, 117)  
}
```

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(242, 189, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 189, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 44.732, 76.196 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(242, 189, 117) }
```

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

```
.border{ border-color:rgb(242, 189, 117) }
```

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

Here you see how a box with a 4 pixel rgb(242, 189, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 189, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 189, 117);  
box-shadow:4px 4px 4px 4px rgb(242, 189,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 44.732, 76.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 189, 117) }
```

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

```
.background{ background-color: rgb(242,  
189, 117) }
```

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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