

Converting Colors

XYZ(89.5287, 87.1792, 67.4251)

Have a look what the booklet for
XYZ(89.5287, 87.1792, 67.4251)
contains.

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Color

**XYZ(80.3585, 82.6289,
66.9720)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7C9
RGB	255, 231, 201
RGB Percent	100%, 91%, 79%
CMY	0.0000, 0.0941, 0.2118
CMYK	0.00, 0.09, 0.21, 0.00
HSL	33°, 100%, 89%
HSV	33°, 21%, 100%
XYZ	80.3585, 82.6289, 66.9720
YIQ	234.7560, 23.9340, -4.2420

Conversions

Conversions Part 2

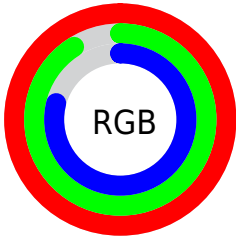
Format	Color
R_{YB}	244, 255, 201
Decimal	16771017
CIE _{Lab}	92.85, 3.60, 17.59
CIE _{LCh}	93, 17.952, 78.428
Yxy	82.6289, 0.3494, 0.3593
Android (android.graphics.Color)	4294961097 (0xFFFFE7C9)
YUV	234.7560, -16.6417, 17.7540
Hunter-Lab	90.9004, -1.2768, 19.9477

Details

The XYZ color **80.3585, 82.6289, 66.9720** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.0619, 73.4858, 105.1520**, and the grayscale version is **78.8916, 83.0001, 90.3871**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0805, 45.1630, 33.9978** is the 20% darker color. If you saturate the color by 10%, you get **74.5354, 75.3912, 51.4399**, and if you desaturate by 10%, it is **86.8890, 90.4837, 85.1987**.

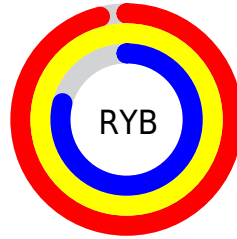
Distribution



Red (100%)

Green (91%)

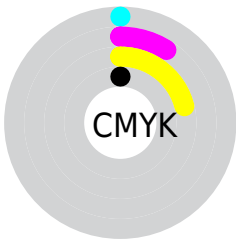
Blue (79%)



Red (96%)

Yellow (100%)

Blue (79%)

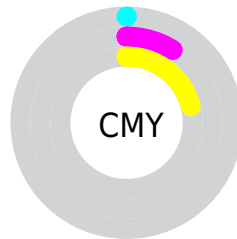


Cyan (0%)

Magenta (9%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3585, 82.6289, 66.9720 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 XYZ color 80.3585, 82.6289, 66.9720 by changing the saturation by 10% instead.


 80.3585, 82.6289,
66.9720

 80.3585, 82.6289,
66.9720


484.8583,
503.7489, 468.3439

 60.3229, 61.8841,
48.6004


132.8175,
137.0556, 116.5206

 43.9294, 44.9390,
33.9392


165.9716,
171.5062, 148.5346

 30.8127, 31.4094,
22.5699


204.2293,
211.2942, 185.9332

 20.6074, 20.9108,
14.0740

247.9559,
256.8040, 229.1350

 12.9481, 13.0588,
8.0328

297.5167,
308.4200, 278.5584

 7.4696, 7.4691,
4.0279

353.2772,

 3.8064, 3.7571,

366.5265, 334.6220

1.6406

415.6026,
431.5080, 397.7443

■ 1.5932, 1.5387,
0.3196

■ 0.3880, 0.3157,
0.0000

■ 80.3585, 82.6289,
66.9720

■ 80.3585, 82.6289,
66.9720

■ 74.5354, 75.3912,
51.4399

■ 86.8890, 90.4837,
85.1987

■ 69.3853, 68.7422,
38.4665

■ 94.1475, 98.9614,
106.2364

■ 64.8794, 62.6669,
27.9120

■ 95.0500, 100.0000,
108.9000

■ 60.9845, 57.1455,
19.6208

■ 57.6636, 52.1563,
13.4189

■ 54.8747, 47.6757,
9.1066

■ 52.5679, 43.6763,
6.4444

■ 50.8674, 40.5147,
5.1391

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6713, 82.6289, 72.0031



80.3585, 82.6289, 66.9720



75.7209, 82.6289, 67.6306

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3585, 82.6289, 66.9720



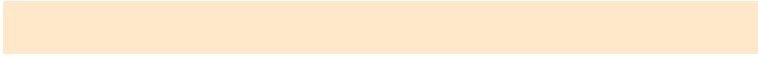
70.2905, 82.6289, 98.3796



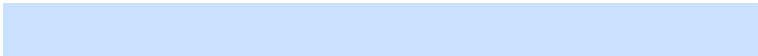
85.4754, 82.6289, 108.2107

Complementary

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



80.3585, 82.6289, 66.9720



69.0619, 73.4858, 105.1520

Split Complementary

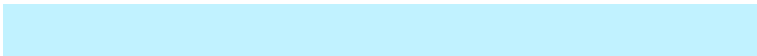
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4207, 82.6289, 116.7526



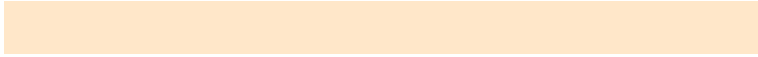
80.3585, 82.6289, 66.9720



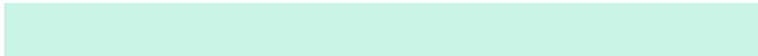
72.7051, 82.6289, 110.6990

Square

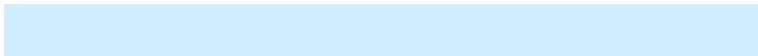
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3585, 82.6289, 66.9720



70.0316, 82.6289, 84.8887



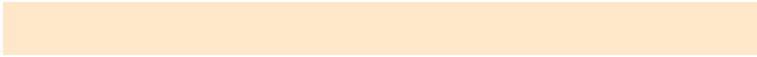
76.7418, 82.6289, 117.7061



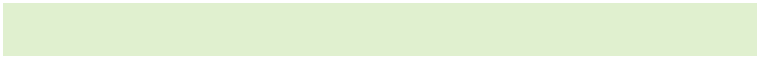
87.7031, 82.6289, 95.2477

Rectangle

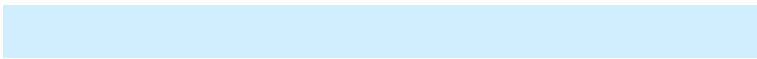
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3585, 82.6289, 66.9720



73.0654, 82.6289, 71.2213



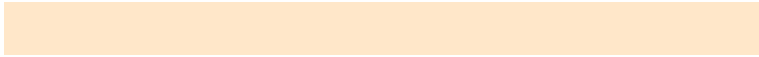
76.7418, 82.6289, 117.7061



84.2736, 82.6289, 111.7475

Sweetspot

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



80.3605, 82.6325, 66.9737



90.5530, 94.7923, 95.7287



75.7588, 68.4869, 80.6760



19.2808, 20.1711, 20.1964



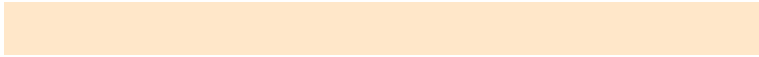
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.3605, 82.6325, 66.9737



78.0513, 79.7922, 60.7223



86.5565, 96.4887, 69.3217



18.8464, 19.6611, 18.9460



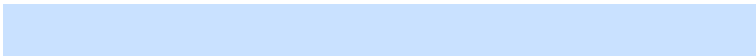
26.7307, 21.4725, 2.7358



2.7117, 2.3087, 0.3027

Inverse Universe

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



69.0619, 73.4858, 105.1520



65.0810, 69.2933, 104.5526



63.7573, 61.7894, 103.1739



17.6674, 18.7064, 22.9295



12.6785, 10.2665, 50.7480



1.3414, 1.2134, 4.9768

Previews

White Background



This preview shows how the XYZ color 80.3585, 82.6289, 66.9720 looks on a white background.

Color Contrast Check

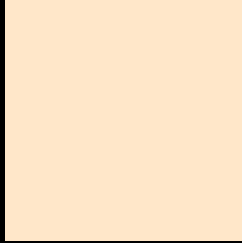
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.3585, 82.6289, 66.9720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

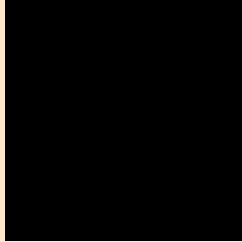
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.3585, 82.6289, 66.9720

Background



This preview shows how black text looks on a background with the XYZ color 80.3585, 82.6289, 66.9720.



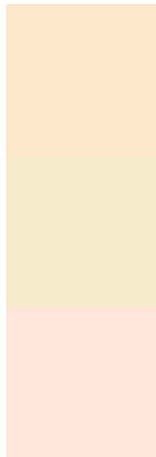
This preview shows how white text looks on a background with the XYZ color 80.3585, 82.6289,

66.9720.

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

80.3585, 82.6289, 66.9720

Protanopia

78.0895, 82.7027, 67.7246

Deuteranopia

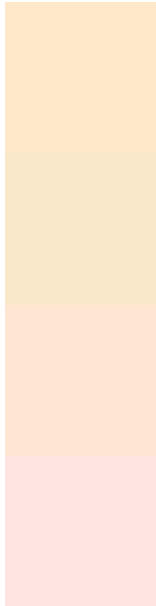
82.0612, 82.8634, 77.3148



Tritanopia

84.5863, 82.5490, 94.6945

Trichromacy



Original Color

80.3585, 82.6289, 66.9720

Protanomaly

78.8665, 82.6818, 67.6796

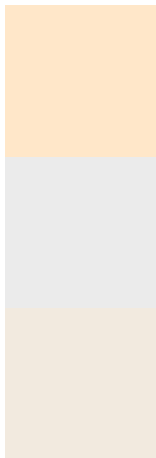
Deuteranomaly

81.2947, 82.5568, 73.2784

Tritanomaly

82.7109, 82.2378, 83.4657

Monochromacy



Original Color

80.3585, 82.6289, 66.9720

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.3601, 83.0506, 81.6597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3585, 82.6289, 66.9720 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(255, 231, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 201)  
}
```

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(255, 231, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 201) }
```

Border

The CSS property to change the border of an element to XYZ 80.3585, 82.6289, 66.9720 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(255, 231, 201) }
```


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

```
.border{ border-color:rgb(255, 231, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3585, 82.6289, 66.9720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 201) }
```

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

```
.background{ background-color: rgb(255,  
231, 201) }
```

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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