

Converting Colors

XYZ(112.4585, 100.0000,
65.9786)

Have a look what the booklet for
XYZ(112.4585, 100.0000, 65.9786)
contains.

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Color

**XYZ(80.4570, 83.5690,
64.7132)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9C5
RGB	255, 233, 197
RGB Percent	100%, 91%, 77%
CMY	0.0000, 0.0863, 0.2274
CMYK	0.00, 0.09, 0.23, 0.00
HSL	37°, 100%, 89%
HSV	37°, 23%, 100%
XYZ	80.4570, 83.5690, 64.7132
YIQ	235.4740, 24.6680, -6.5320

Conversions

Conversions Part 2

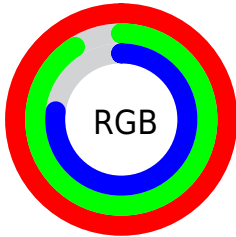
Format	Color
R _Y B	232, 255, 197
Decimal	16771525
CIE Lab	93.26, 2.02, 20.23
CIE LCh	93, 20.331, 84.294
Yxy	83.5690, 0.3517, 0.3653
Android (android.graphics.Color)	4294961605 (0xFFFFE9C5)
YUV	235.4740, -18.9677, 17.1243
Hunter-Lab	91.4161, -2.8770, 22.0200

Details

The XYZ color **80.4570, 83.5690, 64.7132** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.4068, 69.7514, 104.5711**, and the grayscale version is **79.4555, 83.5934, 91.0332**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **43.9688, 45.4332, 32.4387** is the 20% darker color. If you saturate the color by 10%, you get **75.1162, 77.1746, 49.7165**, and if you desaturate by 10%, it is **86.4460, 90.4684, 82.3664**.

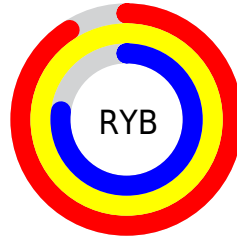
Distribution



Red (100%)

Green (91%)

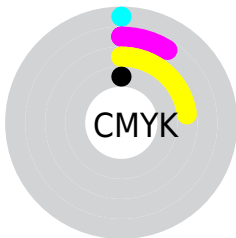
Blue (77%)



Red (91%)

Yellow (100%)

Blue (77%)

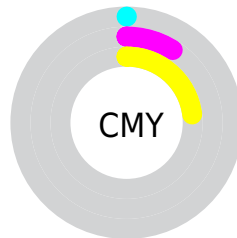


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4570, 83.5690, 64.7132 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 80.4570, 83.5690, 64.7132 by changing the saturation by 10% instead.


 80.4570, 83.5690,
64.7132

 80.4570, 83.5690,
64.7132


485.1847,
506.8809, 460.0386

 60.4042, 62.6597,
46.7787

132.9552,
138.3721, 113.2468

 43.9953, 45.5659,
32.5076

166.1314,
173.0347, 144.6829

 30.8647, 31.9034,
21.4815


204.4127,
213.0504, 181.4566

 20.6471, 21.2877,
13.2818

248.1646,
258.8038, 223.9865

 12.9773, 13.3345,
7.4899

297.7524,
310.6791, 272.6911

 7.4898, 7.6593,
3.6872

353.5415,

 3.8193, 3.8777,

369.0608, 327.9890

1.4554

415.8971,
434.3333, 390.2986

■ 1.6004, 1.6054,
0.1844

■ 0.3927, 0.3612,
0.0000

■ 80.4570, 83.5690,
64.7132

■ 80.4570, 83.5690,
64.7132

■ 75.1162, 77.1746,
49.7165

■ 86.4460, 90.4684,
82.3664

■ 70.3906, 71.2597,
37.2394

■ 93.1028, 97.8759,
102.7934

■ 66.2527, 65.8122,
27.1405

■ 95.0500, 100.0000,
108.9000

■ 62.6701, 60.8152,
19.2623

■ 59.6069, 56.2501,
13.4280

■ 57.0219, 52.0964,
9.4333

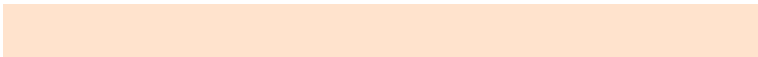
■ 54.8655, 48.3298,
7.0309

■ 53.5181, 45.8161,
6.0227

Harmonies

Analogous

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



85.5860, 83.5690, 69.1051



80.4570, 83.5690, 64.7132



75.2724, 83.5690, 66.6954

Triad

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



80.4570, 83.5690, 64.7132



70.4180, 83.5690, 103.6591



88.0791, 83.5690, 109.2922

Complementary

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



80.4570, 83.5690, 64.7132



66.4068, 69.7514, 104.5711

Split Complementary

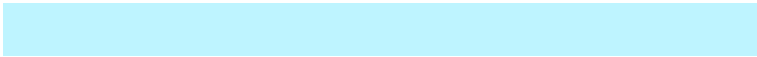
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7376, 83.5690, 120.5721



80.4570, 83.5690, 64.7132



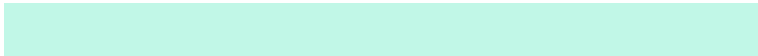
73.5762, 83.5690, 117.0728

Square

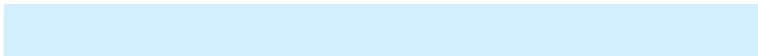
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4570, 83.5690, 64.7132



69.6274, 83.5690, 88.0946



78.4114, 83.5690, 123.5678



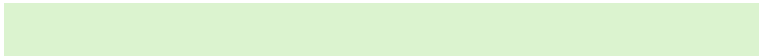
90.1116, 83.5690, 93.9531

Rectangle

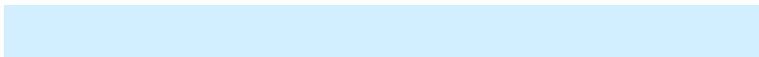
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4570, 83.5690, 64.7132



72.4606, 83.5690, 71.4925



78.4114, 83.5690, 123.5678



86.8322, 83.5690, 113.7502

Sweetspot

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



80.4589, 83.5726, 64.7149



90.1865, 94.6601, 93.7536



74.0238, 66.3202, 76.0794



19.2172, 20.1652, 19.8017



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.



80.4589, 83.5726, 64.7149



78.1080, 80.7899, 58.0153



84.6325, 95.5505, 66.8069



18.9487, 19.8655, 18.9801



28.1129, 24.2371, 3.1965



2.8427, 2.5707, 0.3464

Inverse Universe

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



66.4068, 69.7514, 104.5711



61.9445, 64.8945, 103.8688



62.8551, 59.9580, 102.8680



17.5675, 18.5066, 22.8962



11.7830, 8.4755, 50.4495



1.2486, 1.0278, 4.9459

Previews

White Background



This preview shows how the XYZ color 80.4570, 83.5690, 64.7132 looks on a white background.

Color Contrast Check

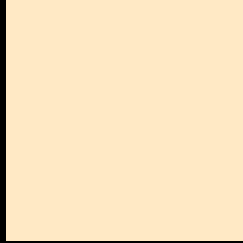
Large Text (above 18pt) WCAG AA × Fail

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 80.4570, 83.5690, 64.7132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

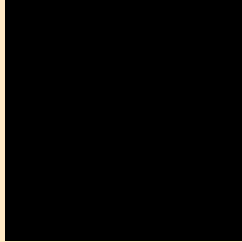
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.4570, 83.5690, 64.7132

Background



This preview shows how black text looks on a background with the XYZ color 80.4570, 83.5690, 64.7132.



This preview shows how white text looks on a background with the XYZ color 80.4570, 83.5690,

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

80.4570, 83.5690, 64.7132

Protanopia

78.6128, 83.4503, 65.3903

Deuteranopia

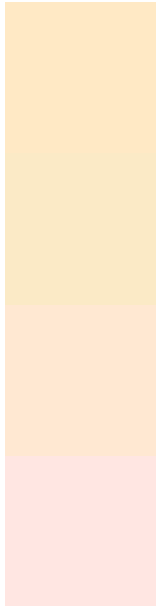
82.3403, 83.4216, 77.4078



Tritanopia

85.2863, 83.7094, 95.6669

Trichromacy



Original Color

80.4570, 83.5690, 64.7132

Protanomaly

79.3995, 83.4321, 65.3453

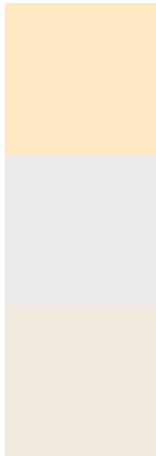
Deuteranomaly

81.7295, 83.6264, 72.8067

Tritanomaly

83.2643, 83.3446, 83.6501

Monochromacy



Original Color

80.4570, 83.5690, 64.7132

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.0919, 82.9433, 80.2477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4570, 83.5690, 64.7132 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, 233, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 197)  
}
```

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, 233, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 197) }
```

Border

The CSS property to change the border of an element to XYZ 80.4570, 83.5690, 64.7132 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, 233, 197) }
```


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

```
.border{ border-color:rgb(255, 233, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4570, 83.5690, 64.7132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 197) }
```

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

```
.background{ background-color: rgb(255,  
233, 197) }
```

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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