

Converting Colors

XYZ(76.6440, 80.0519, 68.5403)

Have a look what the booklet for
XYZ(76.6440, 80.0519, 68.5403)
contains.

XYZ(76.8521, 80.3657, 68.5883)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.8521, 80.3657,
68.5883)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E6CC
RGB	245, 230, 204
RGB Percent	96%, 90%, 80%
CMY	0.0392, 0.0980, 0.2000
CMYK	0.00, 0.06, 0.17, 0.04
HSL	38°, 67%, 88%
HSV	38°, 17%, 96%
XYZ	76.8521, 80.3657, 68.5883
YIQ	231.5210, 17.2860, -4.9060

Conversions

Conversions Part 2

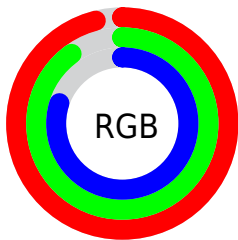
Format	Color
R _Y B	228, 245, 204
Decimal	16115404
CIE Lab	91.85, 0.95, 14.50
CIE LCh	92, 14.531, 86.270
Yxy	80.3657, 0.3403, 0.3559
Android (android.graphics.Color)	4294305484 (0xFFF5E6CC)
YUV	231.5210, -13.5679, 11.8211
Hunter-Lab	89.6469, -3.8584, 17.3904

Details

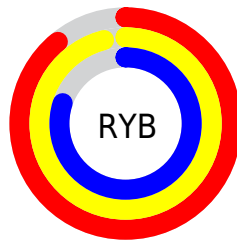
The XYZ color **76.8521, 80.3657, 68.5883** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.7146, 70.0916, 96.3997**, and the grayscale version is **76.4347, 80.4152, 87.5722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5740, 43.5533, 35.0696** is the 20% darker color. If you saturate the color by 10%, you get **71.7124, 74.4245, 53.5000**, and if you desaturate by 10%, it is **82.5866, 86.7554, 86.1573**.

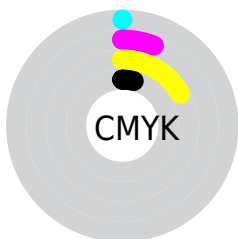
Distribution



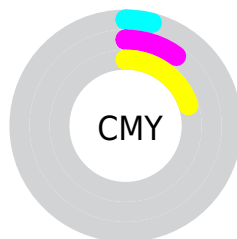
- Red (96%)
- Green (90%)
- Blue (80%)



- Red (89%)
- Yellow (96%)
- Blue (80%)



- Cyan (0%)
- Magenta (6%)
- Yellow (17%)
- Black (4%)



- Cyan (4%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8521, 80.3657, 68.5883 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 76.8521, 80.3657, 68.5883 by changing the saturation by 10% instead.

76.8521, 80.3657,
68.5883

76.8521, 80.3657,
68.5883

473.1593,
496.1644, 474.2321

57.4310, 60.0193,
49.9068

127.9046,
133.8798, 118.8555

41.5929, 43.4342,
34.9687

160.2668,
167.8163, 151.2783

28.9723, 30.2260,
23.3554

197.6733,
207.0516, 189.1187

19.2041, 20.0102,
14.6484

240.4896,
251.9701, 232.7951

11.9227, 12.4024,
8.4291

289.0810,
302.9563, 282.7261

6.7629, 7.0184,
4.2791

343.8128,

3.3593, 3.4736,

360.3944, 339.3302

1.7796

405.0505,
424.6690, 403.0261

■ 1.3465, 1.3837,
0.4145

■ 0.2176, 0.2047,
0.0000

■ 76.8521, 80.3657,
68.5883

■ 76.8521, 80.3657,
68.5883

■ 71.7124, 74.4245,
53.5000

■ 82.5866, 86.7554,
86.1573

■ 67.1377, 68.9085,
40.7732

■ 88.9315, 93.5947,
106.3085

■ 63.1048, 63.8083,
30.2863

■ 91.4665, 98.1526,
108.7323

■ 59.5863, 59.1096,
21.9048

■ 56.5520, 54.7971,
15.4798

■ 53.9679, 50.8537,
10.8424

■ 51.7944, 47.2603,
7.7948

■ 49.9820, 43.9935,
6.0870

■ 49.4436, 42.9869,
5.6913

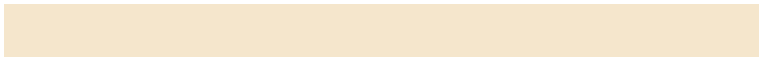
Harmonies

Analogous

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



80.4321, 80.3657, 71.5281



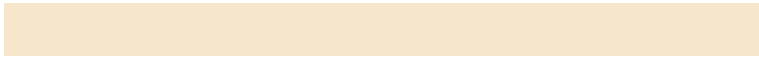
76.8521, 80.3657, 68.5883



73.2584, 80.3657, 70.3678

Triad

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



76.8521, 80.3657, 68.5883



70.1403, 80.3657, 96.9021



82.4987, 80.3657, 99.3973

Complementary

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



76.8521, 80.3657, 68.5883



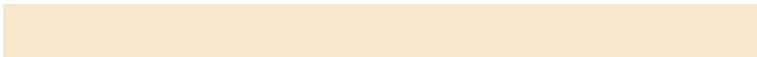
66.7146, 70.0916, 96.3997

Split Complementary

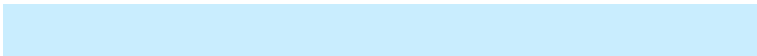
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5997, 80.3657, 107.2196



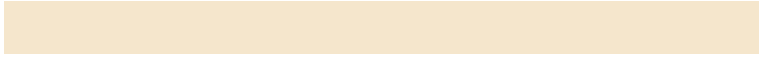
76.8521, 80.3657, 68.5883



72.4763, 80.3657, 105.6988

Square

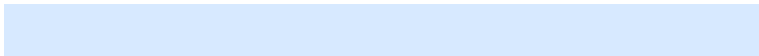
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8521, 80.3657, 68.5883



69.4579, 80.3657, 86.1769



75.9202, 80.3657, 109.6136



83.7584, 80.3657, 88.8459

Rectangle

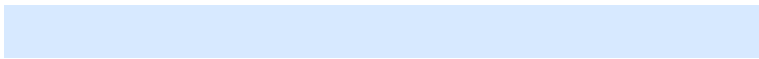
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8521, 80.3657, 68.5883



71.3251, 80.3657, 74.0760



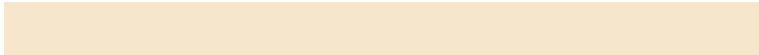
75.9202, 80.3657, 109.6136



81.6791, 80.3657, 102.4653

Sweetspot

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



76.8543, 80.3693, 68.5900



91.5950, 96.2666, 97.9551



72.0405, 67.7155, 76.3153



19.5041, 20.4949, 20.6495



0.0000, 0.0000, 0.0000



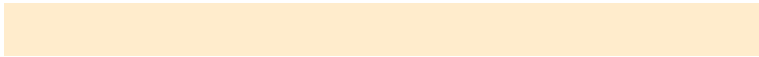
20.3446, 21.4041, 23.3091

Same Dimension

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



76.8543, 80.3693, 68.5900



82.2346, 85.8107, 69.3556



79.3293, 88.1090, 69.9535



17.3754, 18.2349, 17.4015



26.7726, 23.4307, 3.1115



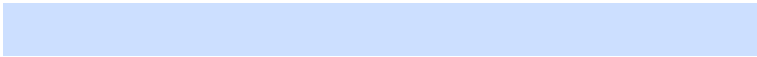
2.4507, 2.2547, 0.3060

Inverse Universe

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



66.7146, 70.0916, 96.3997



69.2468, 72.6473, 104.9804



64.5020, 63.4029, 95.2253



16.0774, 16.9191, 20.9609



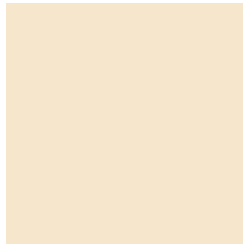
10.9510, 7.6958, 47.4463



1.0569, 0.8652, 4.2015

Previews

White Background



This preview shows how the XYZ color 76.8521, 80.3657, 68.5883 looks on a white background.

Color Contrast Check

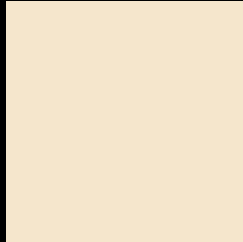
Large Text (above 18pt) WCAG AA × Fail

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 76.8521, 80.3657, 68.5883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

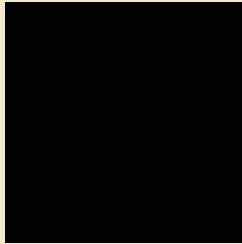
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8521, 80.3657, 68.5883

Background



This preview shows how black text looks on a background with the XYZ color 76.8521, 80.3657, 68.5883.

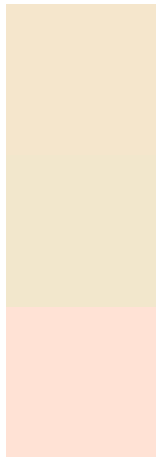


This preview shows how white text looks on a background with the XYZ color 76.8521, 80.3657,

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

76.8521, 80.3657, 68.5883

Protanopia

76.0929, 80.3887, 68.6328

Deuteranopia

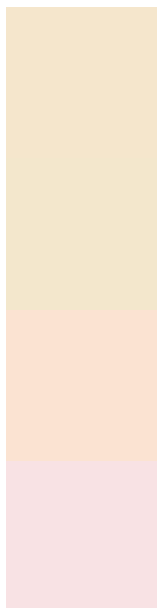
80.4466, 80.4568, 74.2405



Tritanopia

82.1070, 80.0461, 95.1273

Trichromacy



Original Color

76.8521, 80.3657, 68.5883

Protanomaly

76.4371, 80.5661, 68.6489

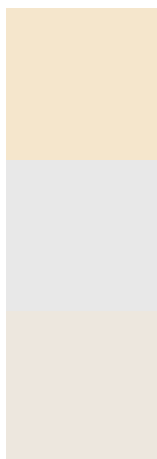
Deuteranomaly

78.8856, 80.1005, 72.2760

Tritanomaly

79.9113, 79.9506, 84.6190

Monochromacy



Original Color

76.8521, 80.3657, 68.5883

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.6858, 80.4303, 80.5901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8521, 80.3657, 68.5883 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(245, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(245, 230, 204)  
}
```

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(245, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 230, 204) }
```

Border

The CSS property to change the border of an element to XYZ 76.8521, 80.3657, 68.5883 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(245, 230, 204) }
```


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

```
.border{ border-color:rgb(245, 230, 204) }
```

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

Here you see how a box with a 4 pixel rgb(245, 230, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(245, 230,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8521, 80.3657, 68.5883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 230, 204) }
```

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

```
.background{ background-color: rgb(245,  
230, 204) }
```

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