

Converting Colors

XYZ(76.8184, 80.6887, 66.5681)

Have a look what the booklet for
XYZ(76.8184, 80.6887, 66.5681)
contains.

XYZ(76.7747, 80.7814, 66.8042)	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(76.7747, 80.7814,
66.8042)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E7C9
RGB	245, 231, 201
RGB Percent	96%, 91%, 79%
CMY	0.0392, 0.0941, 0.2118
CMYK	0.00, 0.06, 0.18, 0.04
HSL	41°, 69%, 87%
HSV	41°, 18%, 96%
XYZ	76.7747, 80.7814, 66.8042
YIQ	231.7660, 17.9740, -6.3620

Conversions

Conversions Part 2

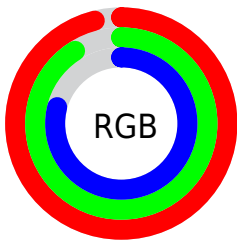
Format	Color
R_{YB}	222, 245, 201
Decimal	16115657
CIE Lab	92.03, -0.01, 16.32
CIE LCh	92, 16.320, 90.040
Yxy	80.7814, 0.3422, 0.3601
Android (android.graphics.Color)	4294305737 (0xFFFF5E7C9)
YUV	231.7660, -15.1676, 11.6062
Hunter-Lab	89.8785, -4.8116, 18.8463

Details

The XYZ color **76.7747, 80.7814, 66.8042** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.8688, 67.6093, 96.0176**, and the grayscale version is **76.6290, 80.6197, 87.7948**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5308, 43.8486, 33.8785** is the 20% darker color. If you saturate the color by 10%, you get **71.9874, 75.4567, 52.1055**, and if you desaturate by 10%, it is **82.1232, 86.4915, 83.9598**.

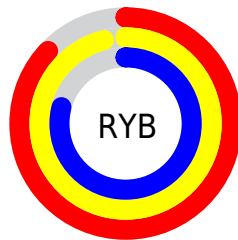
Distribution



Red (96%)

Green (91%)

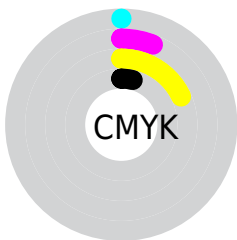
Blue (79%)



Red (87%)

Yellow (96%)

Blue (79%)

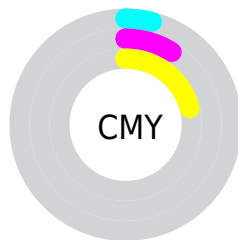


Cyan (0%)

Magenta (6%)

Yellow (18%)

Black (4%)



Cyan (4%)

Magenta (9%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7747, 80.7814, 66.8042 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 76.7747, 80.7814, 66.8042 by changing the saturation by 10% instead.

76.7747, 80.7814,
66.8042

76.7747, 80.7814,
66.8042

472.8992,
497.5623, 467.7300

57.3673, 60.3616,
48.4649

127.7959,
134.4638, 116.2778

41.5415, 43.7101,
33.8326

160.1404,
168.4951, 148.2492

28.9320, 30.4427,
22.4887

197.5280,
207.8324, 185.6017

19.1734, 20.1749,
14.0147

240.3240,
252.8601, 228.7539

11.9004, 12.5222,
7.9920

288.8937,
303.9626, 278.1243

6.7476, 7.1004,
4.0021

343.6026,

3.3497, 3.5250,

361.5241, 334.1314

1.6265

404.8160,
425.9293, 397.1938

■ 1.3413, 1.4116,
0.3096

■ 0.2138, 0.2252,
0.0000

■ 76.7747, 80.7814,
66.8042

■ 76.7747, 80.7814,
66.8042

■ 71.9874, 75.4567,
52.1055

■ 82.1232, 86.4915,
83.9598

■ 67.7318, 70.4952,
39.7436

■ 88.0479, 92.5867,
103.6744

■ 63.9853, 65.8888,
29.5959

■ 91.2701, 97.7601,
108.6669

■ 60.7210, 61.6245,
21.5267

■ 91.4664, 98.1526,
108.7323

■ 57.9088, 57.6882,
15.3852

■ 55.5149, 54.0642,
10.9997

■ 53.4998, 50.7345,
8.1682

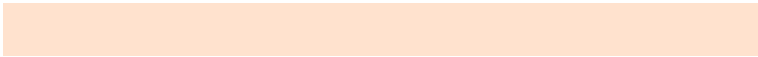
■ 51.8096, 47.6753,
6.6152

■ 51.4889, 47.0775,
6.3731

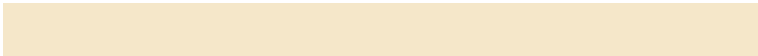
Harmonies

Analogous

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



80.8828, 80.7814, 69.4091



76.7747, 80.7814, 66.8042



72.8096, 80.7814, 69.4228

Triad

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



76.7747, 80.7814, 66.8042



70.0018, 80.7814, 100.0459



83.9887, 80.7814, 100.0156

Complementary

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



76.7747, 80.7814, 66.8042



64.8688, 67.6093, 96.0176

Split Complementary

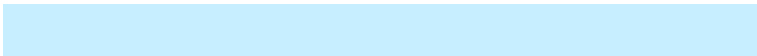
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8928, 80.7814, 109.5277



76.7747, 80.7814, 66.8042



72.8190, 80.7814, 109.5462

Square

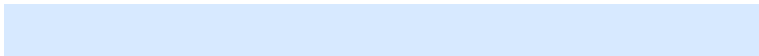
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7747, 80.7814, 66.8042



68.9872, 80.7814, 87.9732



76.7859, 80.7814, 113.1615



85.1392, 80.7814, 87.9412

Rectangle

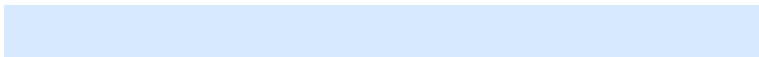
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7747, 80.7814, 66.8042



70.7574, 80.7814, 73.9285



76.7859, 80.7814, 113.1615



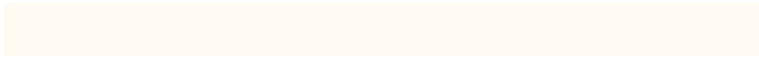
83.1356, 80.7814, 103.6571

Sweetspot

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



76.7769, 80.7850, 66.8059



91.7845, 96.6457, 98.0183



70.8952, 66.1274, 73.7682



19.5502, 20.5871, 20.6649



0.0000, 0.0000, 0.0000



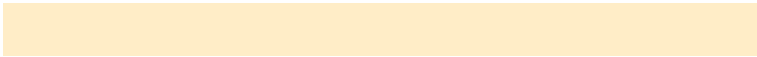
20.3446, 21.4041, 23.3091

Same Dimension

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



76.7769, 80.7850, 66.8059



81.8668, 86.0380, 66.2641



78.3437, 87.6419, 68.0468



17.4443, 18.3727, 17.4244



27.8681, 25.6218, 3.4767



2.5416, 2.4364, 0.3363

Inverse Universe

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



64.8688, 67.6093, 96.0176



66.3234, 68.8419, 104.3999



63.4753, 61.8252, 94.9746



16.0113, 16.7870, 20.9389



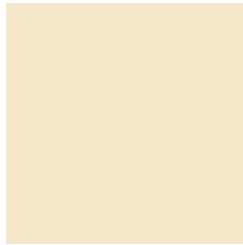
10.4535, 6.7008, 47.2805



1.0074, 0.7663, 4.1850

Previews

White Background



This preview shows how the XYZ color 76.7747, 80.7814, 66.8042 looks on a white background.

Color Contrast Check

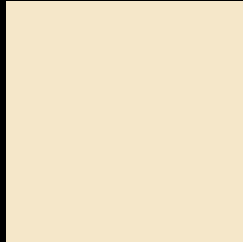
Large Text (above 18pt) WCAG AA × Fail

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 76.7747, 80.7814, 66.8042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

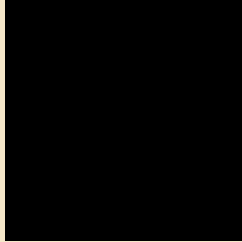
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7747, 80.7814, 66.8042

Background



This preview shows how black text looks on a background with the XYZ color 76.7747, 80.7814, 66.8042.

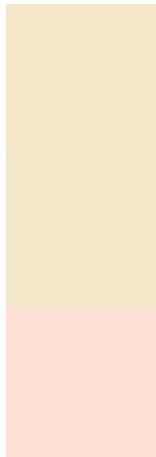


This preview shows how white text looks on a background with the XYZ color 76.7747, 80.7814,

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

76.7747, 80.7814, 66.8042

Protanopia

76.3614, 80.9850, 66.8653

Deuteranopia

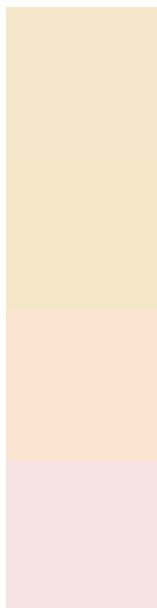
80.4466, 80.4568, 74.2405



Tritanopia

82.5272, 80.6455, 96.0105

Trichromacy



Original Color

76.7747, 80.7814, 66.8042

Protanomaly

76.7075, 81.1634, 66.8815

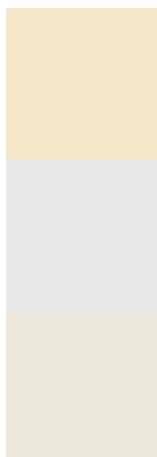
Deuteranomaly

79.0357, 80.5995, 71.7132

Tritanomaly

80.1841, 80.4961, 84.7099

Monochromacy



Original Color

76.7747, 80.7814, 66.8042

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8328, 80.9382, 79.9797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7747, 80.7814, 66.8042 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, 231, 201)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 231, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 231, 201) }
```

Border

The CSS property to change the border of an element to XYZ 76.7747, 80.7814, 66.8042 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, 231, 201) }
```


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

```
.border{ border-color:rgb(245, 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(245, 231, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 231, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 231, 201);  
box-shadow:4px 4px 4px 4px rgb(245, 231,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7747, 80.7814, 66.8042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 231, 201) }
```

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

```
.background{ background-color: rgb(245,  
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](#).

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