

Converting Colors

XYZ(80.0771, 84.9120, 75.9542)

Have a look what the booklet for XYZ(80.0771, 84.9120, 75.9542) contains.

XYZ(80.0780, 84.8359, 75.7727) 3

- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(80.0780, 84.8359,
75.7727)**

Conversions

Conversions Part 1

Format	Color
Hex	F5EDD6
RGB	245, 237, 214
RGB Percent	96%, 93%, 84%
CMY	0.0392, 0.0706, 0.1608
CMYK	0.00, 0.03, 0.13, 0.04
HSL	45°, 61%, 90%
HSV	45°, 13%, 96%
XYZ	80.0780, 84.8359, 75.7727
YIQ	236.7700, 12.1510, -5.4570

Conversions

Conversions Part 2

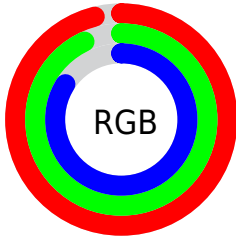
Format	Color
R _Y B	225, 245, 214
Decimal	16117206
CIE Lab	93.81, -1.09, 12.10
CIE LCh	94, 12.146, 95.150
Yxy	84.8359, 0.3327, 0.3525
Android (android.graphics.Color)	4294307286 (0xFFF5EDD6)
YUV	236.7700, -11.2256, 7.2177
Hunter-Lab	92.1064, -5.9970, 15.6987

Details

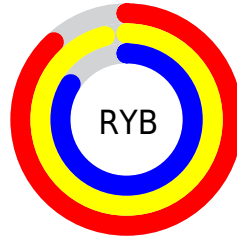
The XYZ color **80.0780, 84.8359, 75.7727** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.3341, 73.1299, 96.7955**, and the grayscale version is **80.3984, 84.5854, 92.1135**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7681, 46.3698, 39.4443** is the 20% darker color. If you saturate the color by 10%, you get **75.3849, 80.0855, 59.9149**, and if you desaturate by 10%, it is **85.3109, 89.9110, 94.1342**.

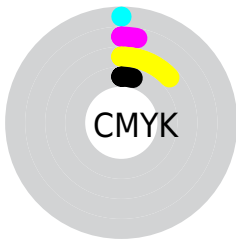
Distribution



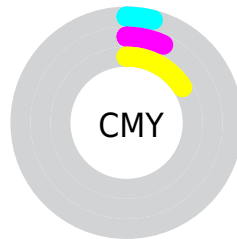
- Red (96%)
- Green (93%)
- Blue (84%)



- Red (88%)
- Yellow (96%)
- Blue (84%)



- Cyan (0%)
- Magenta (3%)
- Yellow (13%)
- Black (4%)





- Cyan (4%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0780, 84.8359, 75.7727 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 80.0780, 84.8359, 75.7727 by changing the saturation by 10% instead.


 80.0780, 84.8359,
75.7727

 80.0780, 84.8359,
75.7727

483.9282,
511.0849, 499.8954

 60.0912, 63.7058,
55.7406


132.4253,
140.1439, 129.1627

 43.7419, 46.4124,
39.5924


165.5166,
175.0905, 163.3577

 30.6647, 32.5714,
26.9095


203.7068,
215.4115, 203.1107

 20.4942, 21.7983,
17.2734

247.3612,
261.4912, 248.8403

 12.8652, 13.7088,
10.2656

296.8451,
313.7140, 300.9650

 7.4121, 7.9184,
5.4675

352.5241,

 3.7698, 4.0428,

372.4643, 359.9034

2.4606

414.7633,
438.1265, 426.0740

■ 1.5727, 1.6975,
0.8192

■ 0.3745, 0.4221,
0.0000

■ 80.0780, 84.8359,
75.7727

■ 80.0780, 84.8359,
75.7727

■ 75.3849, 80.0855,
59.9149

■ 85.3109, 89.9110,
94.1342

■ 71.2030, 75.6388,
46.4450

■ 89.7815, 94.7826,
108.1706

■ 67.5115, 71.4894,
35.2458

■ 91.4666, 98.1527,
108.7323

■ 64.2852, 67.6260,
26.1883

■ 61.4965, 64.0366,
19.1304

■ 59.1145, 60.7075,
13.9124

■ 57.1036, 57.6235,
10.3506

■ 55.4207, 54.7663,
8.2223

■ 54.3461, 52.7918,
7.3255

Harmonies

Analogous

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



83.2709, 84.8359, 77.1606



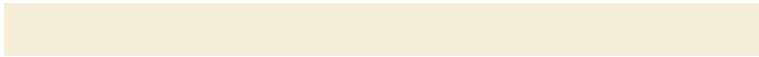
80.0780, 84.8359, 75.7727



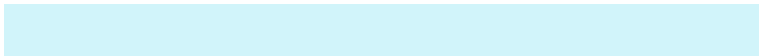
77.1126, 84.8359, 78.5848

Triad

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



80.0780, 84.8359, 75.7727



75.6641, 84.8359, 102.9899



86.3991, 84.8359, 100.0462

Complementary

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



80.0780, 84.8359, 75.7727



70.3341, 73.1299, 96.7955

Split Complementary

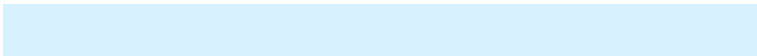
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2609, 84.8359, 107.6840



80.0780, 84.8359, 75.7727



78.0533, 84.8359, 109.4614

Square

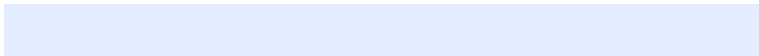
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0780, 84.8359, 75.7727



74.6081, 84.8359, 93.9770



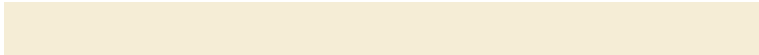
81.1925, 84.8359, 111.2338



86.9759, 84.8359, 90.7851

Rectangle

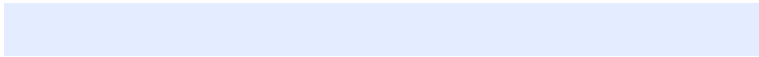
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0780, 84.8359, 75.7727



75.6462, 84.8359, 82.5808



81.1925, 84.8359, 111.2338



85.8363, 84.8359, 102.9078

Sweetspot

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



80.0803, 84.8396, 75.7745



92.6174, 97.6934, 100.2014



74.9244, 72.7950, 79.3978



19.7283, 20.8189, 21.1080



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.



80.0803, 84.8396, 75.7745



86.4251, 91.6432, 78.6091



79.9726, 88.2976, 76.4476



17.5318, 18.5477, 17.4536



29.3947, 28.6750, 3.9856



2.6660, 2.6852, 0.3778

Inverse Universe

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



70.3341, 73.1299, 96.7955



73.9549, 76.6613, 105.5070



70.4190, 70.0957, 96.2054



15.9286, 16.6214, 20.9113



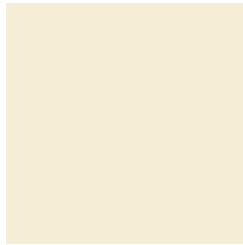
9.9363, 5.6663, 47.1080



0.9530, 0.6574, 4.1669

Previews

White Background



This preview shows how the XYZ color 80.0780, 84.8359, 75.7727 looks on a white background.

Color Contrast Check

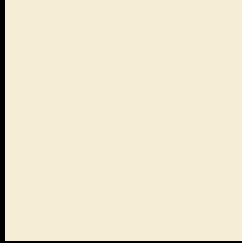
Large Text (above 18pt) WCAG AA × Fail

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 80.0780, 84.8359, 75.7727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

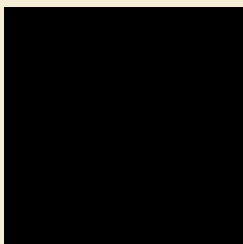
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

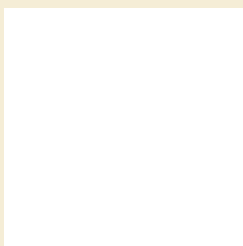
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0780, 84.8359, 75.7727

Background



This preview shows how black text looks on a background with the XYZ color 80.0780, 84.8359, 75.7727.



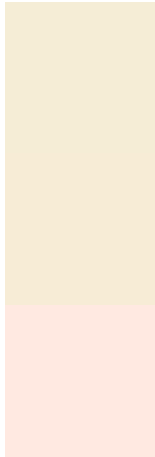
This preview shows how white text looks on a background with the XYZ color 80.0780, 84.8359,

75.7727.

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

80.0780, 84.8359, 75.7727

Protanopia

80.4908, 84.6201, 75.7093

Deuteranopia

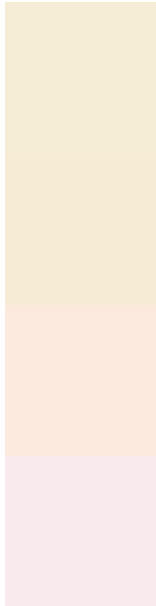
83.9695, 84.9741, 83.2101



Tritanopia

85.5363, 84.9393, 102.3292

Trichromacy



Original Color

80.0780, 84.8359, 75.7727

Protanomaly

80.1391, 84.4388, 75.6929

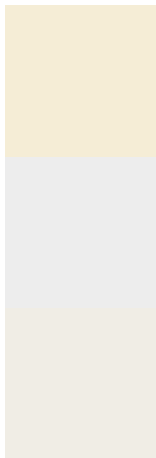
Deuteranomaly

82.2576, 84.5753, 80.3958

Tritanomaly

83.4203, 84.9165, 92.1146

Monochromacy



Original Color

80.0780, 84.8359, 75.7727

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.3622, 84.7508, 86.2517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0780, 84.8359, 75.7727 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, 237, 214) looks like.

```
.text, #text, p{  
    color:rgb(245, 237, 214)  
}
```

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, 237, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 237, 214) }
```

Border

The CSS property to change the border of an element to XYZ 80.0780, 84.8359, 75.7727 is called "border". The border property can be set on classes, ids or directly on the HTML element.

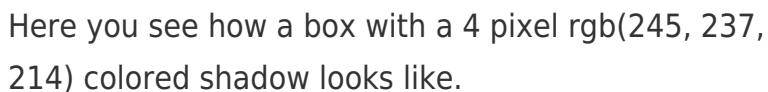
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 237, 214) }
```


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

```
.border{ border-color:rgb(245, 237, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(245, 237, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 237, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 237, 214); box-shadow:4px 4px 4px 4px rgb(245, 237, 214) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0780, 84.8359, 75.7727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 237, 214) }
```

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

```
.background{ background-color: rgb(245,  
237, 214) }
```

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