

Converting Colors

XYZ(80.2733, 93.0997, 75.7961)

Have a look what the booklet for
XYZ(80.2733, 93.0997, 75.7961)
contains.

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Color

**XYZ(80.2768, 93.0965,
76.0257)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFD4
RGB	230, 255, 212
RGB Percent	90%, 100%, 83%
CMY	0.0980, 0.0000, 0.1686
CMYK	0.10, 0.00, 0.17, 0.00
HSL	95°, 100%, 92%
HSV	95°, 17%, 100%
XYZ	80.2768, 93.0965, 76.0257
YIQ	242.6230, -1.0970, -18.6730

Conversions

Conversions Part 2

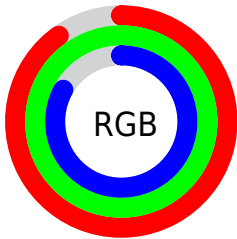
Format	Color
RYB	212, 255, 237
Decimal	15138772
CIELab	97.27, -15.59, 17.86
CIELCh	97, 23.704, 131.123
Yxy	93.0965, 0.3219, 0.3733
Android (android.graphics.Color)	4293328852 (0xFFE6FFD4)
YUV	242.6230, -15.0971, -11.0704
Hunter-Lab	96.4865, -20.3394, 20.8235

Details

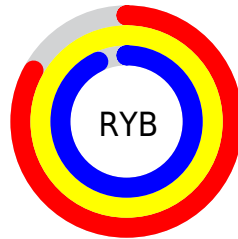
The XYZ color **80.2768, 93.0965, 76.0257** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.5194, 72.3127, 104.5325**, and the grayscale version is **85.0080, 89.4350, 97.3947**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7354, 51.8212, 39.5957** is the 20% darker color. If you saturate the color by 10%, you get **72.7523, 89.5602, 60.1871**, and if you desaturate by 10%, it is **88.7153, 97.0451, 94.5617**.

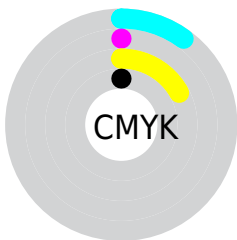
Distribution



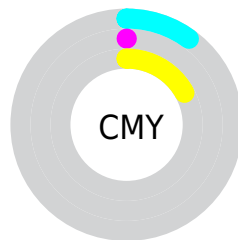
- Red (90%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2768, 93.0965, 76.0257 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 80.2768, 93.0965, 76.0257 by changing the saturation by 10% instead.

80.2768, 93.0965,
76.0257

80.2768, 93.0965,
76.0257

484.5875,
538.0530, 500.7848

60.2554, 70.5517,
55.9468

132.7033,
151.6322, 129.5237

43.8748, 51.9764,
39.7566

165.8391,
188.3919, 163.7798

30.7696, 36.9863,
27.0364

204.0772,
230.6587, 203.5988

20.5744, 25.1969,
17.3679

247.7827,
278.8170, 249.3991

12.9239, 16.2238,
10.3324

297.3212,
333.2512, 301.5993

7.4528, 9.6827,
5.5114

353.0579,

3.7957, 5.1891,

394.3457, 360.6180

2.4864

415.3582,
462.4848, 426.8737

■ 1.5872, 2.3586,
0.8329

■ 0.3841, 0.8045,
0.0000

■ 80.2768, 93.0965,
76.0257

■ 80.2768, 93.0965,
76.0257

■ 72.7523, 89.5602,
60.1871

■ 88.7153, 97.0451,
94.5617

■ 66.1062, 86.4209,
46.9159

95.0500, 100.0000,
108.9000

■ 60.3029, 83.6631,
36.0777

■ 55.3036, 81.2699,
27.5243

■ 51.0657, 79.2232,
21.0911

■ 47.5420, 77.5027,
16.5917

■ 44.6785, 76.0851,
13.8071

■ 42.4093, 74.9428,
12.4600

■ 41.7926, 74.6299,
12.2023

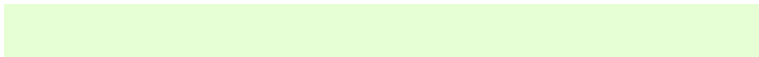
Harmonies

Analogous

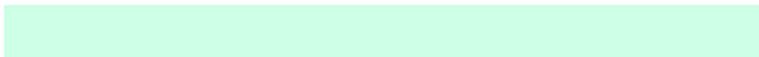
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0223, 93.0965, 69.2904



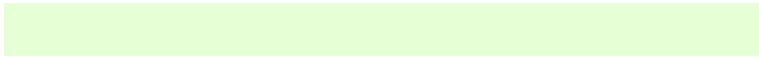
80.2768, 93.0965, 76.0257



76.8419, 93.0965, 89.8868

Triad

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



80.2768, 93.0965, 76.0257



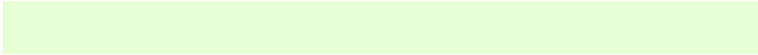
84.3807, 93.0965, 140.4574



101.7438, 93.0965, 94.4110

Complementary

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



80.2768, 93.0965, 76.0257



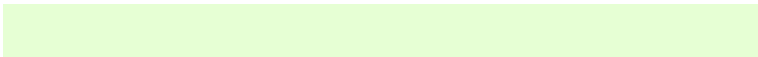
76.5194, 72.3127, 104.5325

Split Complementary

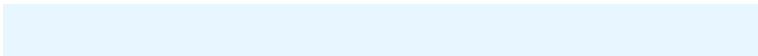
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.2495, 93.0965, 113.7837



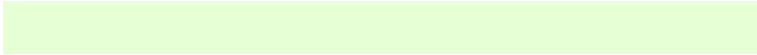
80.2768, 93.0965, 76.0257



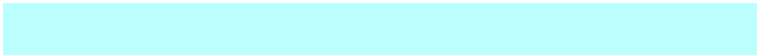
90.9951, 93.0965, 142.0693

Square

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



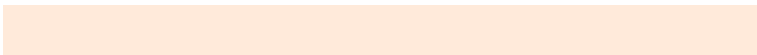
80.2768, 93.0965, 76.0257



79.1273, 93.0965, 127.6316



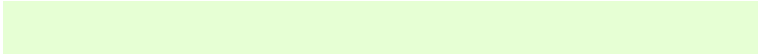
97.2354, 93.0965, 131.7917



98.5537, 93.0965, 78.9768

Rectangle

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



80.2768, 93.0965, 76.0257



76.2149, 93.0965, 102.0913



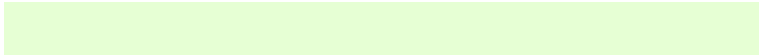
97.2354, 93.0965, 131.7917



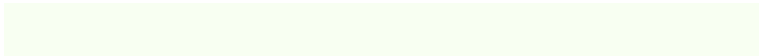
102.0070, 93.0965, 100.6447

Sweetspot

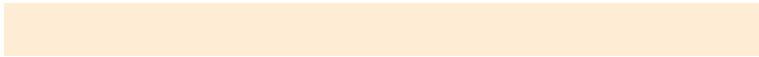
The Sweet Spot groups the original color and five complimentary colors.



80.2774, 93.0967, 76.0271



90.3898, 97.8269, 98.3198



83.2253, 86.2163, 74.5437



19.2110, 20.8755, 20.7384



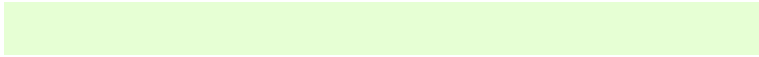
0.0000, 0.0000, 0.0000



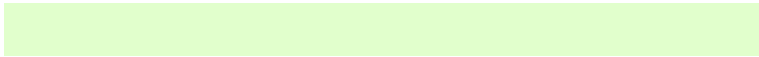
20.3446, 21.4041, 23.3091

Same Dimension

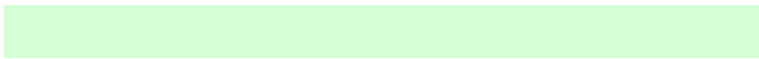
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2774, 93.0967, 76.0271



77.8193, 91.9433, 70.7721



75.1608, 90.4169, 77.6923



18.4921, 20.5396, 19.1342



21.9985, 39.0787, 6.3835



2.2631, 3.8674, 0.6272

Inverse Universe

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



76.5194, 72.3127, 104.5325



73.4602, 67.8392, 103.8302



82.3758, 75.3847, 102.4154



18.0148, 17.8994, 22.7554



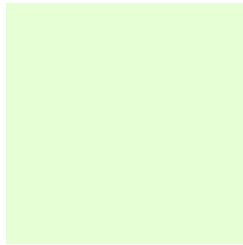
16.0113, 7.1646, 49.9736



1.6836, 0.7618, 4.8716

Previews

White Background



This preview shows how the XYZ color 80.2768, 93.0965, 76.0257 looks on a white background.

Color Contrast Check

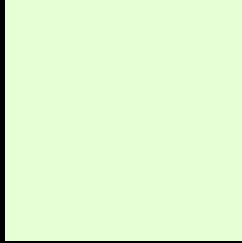
Large Text (above 18pt) WCAG AA × Fail

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 80.2768, 93.0965, 76.0257 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

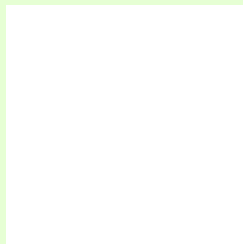
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2768, 93.0965, 76.0257

Background



This preview shows how black text looks on a background with the XYZ color 80.2768, 93.0965, 76.0257.

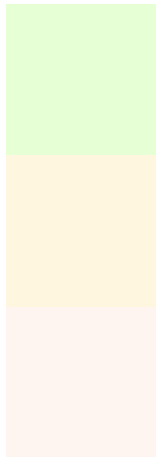


This preview shows how white text looks on a background with the XYZ color 80.2768, 93.0965,

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

80.2768, 93.0965, 76.0257

Protanopia

87.6503, 92.5534, 83.7659

Deuteranopia

89.6206, 92.8561, 95.6376

Tritanopia

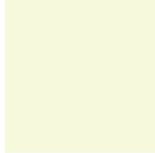
88.6190, 92.9746, 107.8829

Trichromacy



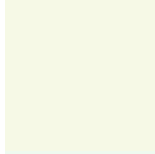
Original Color

80.2768, 93.0965, 76.0257



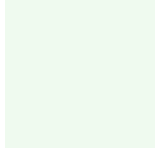
Protanomaly

84.8000, 92.5115, 81.0972



Deuteranomaly

86.1646, 93.0574, 88.2834



Tritanomaly

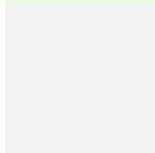
85.3622, 92.9539, 95.1042

Monochromacy



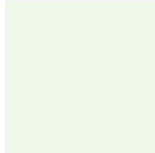
Original Color

80.2768, 93.0965, 76.0257



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.0861, 90.5249, 89.4379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2768, 93.0965, 76.0257 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(230, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 212)  
}
```

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(230, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 80.2768, 93.0965, 76.0257 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(230, 255, 212) }
```


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

```
.border{ border-color:rgb(230, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2768, 93.0965, 76.0257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 212) }
```

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

```
.background{ background-color: rgb(230,  
255, 212) }
```

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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