

Converting Colors

XYZ(80.9462, 92.5871, 44.9363)

Have a look what the booklet for
XYZ(80.9462, 92.5871, 44.9363)
contains.

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Color

**XYZ(80.9560, 92.7166,
45.0817)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFC9C
RGB	252, 252, 156
RGB Percent	99%, 99%, 61%
CMY	0.0118, 0.0117, 0.3882
CMYK	0.00, 0.00, 0.38, 0.01
HSL	60°, 94%, 80%
HSV	60°, 38%, 99%
XYZ	80.9560, 92.7166, 45.0817
YIQ	241.0560, 30.8160, -29.8560

Conversions

Conversions Part 2

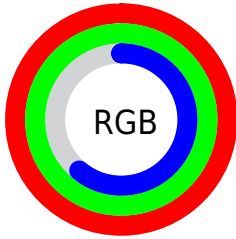
Format	Color
R _Y B	156, 252, 156
Decimal	16579740
CIE Lab	97.11, -13.60, 45.96
CIE LCh	97, 47.925, 106.480
Yxy	92.7166, 0.3701, 0.4238
Android (android.graphics.Color)	4294769820 (0xFFFFCFC9C)
YUV	241.0560, -41.9326, 9.5979
Hunter-Lab	96.2895, -18.4315, 39.6437

Details

The XYZ color **80.9560, 92.7166, 45.0817** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.1728, 37.8754, 97.1363**, and the grayscale version is **83.9580, 88.3304, 96.1918**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **44.4362, 51.9285, 20.5131** is the 20% darker color. If you saturate the color by 10%, you get **79.0400, 91.9534, 34.9854**, and if you desaturate by 10%, it is **83.3193, 93.6653, 57.5134**.

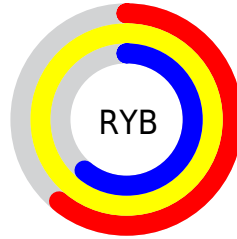
Distribution



Red (99%)

Green (99%)

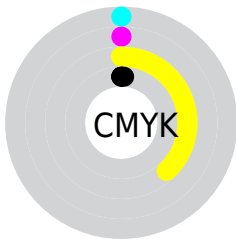
Blue (61%)



Red (61%)

Yellow (99%)

Blue (61%)

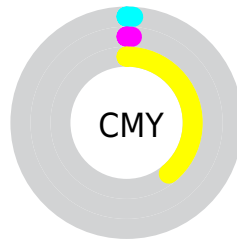


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (1%)



Cyan (1%)


Magenta (1%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9560, 92.7166, 45.0817 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 80.9560, 92.7166, 45.0817 by changing the saturation by 10% instead.


 80.9560, 92.7166,
45.0817


 80.9560, 92.7166,
45.0817


486.8364,
536.8288, 383.2741

 60.8165, 70.2360,
31.1784


 133.6525,
151.1062, 84.1627

 44.3291, 51.7189,
20.4751


 166.9402,
187.7839, 110.1775

 31.1283, 36.7811,
12.5534

205.3413,
229.9629, 141.0666

 20.8489, 25.0380,
6.9946

249.2213,
278.0274, 177.2484

 13.1254, 16.1054,
3.3803

298.9454,
332.3618, 219.1415

 7.5926, 9.5988,
1.2920

354.8791,

 3.8850, 5.1338,

393.3506, 267.1645

0.0552

417.3876,
461.3781, 321.7358

■ 1.6373, 2.3260,
0.0000

■ 0.4165, 0.7874,
0.0000

■ 80.9560, 92.7166,
45.0817

■ 80.9560, 92.7166,
45.0817

■ 79.0400, 91.9534,
34.9854

■ 83.3193, 93.6653,
57.5134

■ 77.5368, 91.3521,
27.0733

■ 86.1484, 94.7970,
72.4073

■ 76.4181, 90.9045,
21.1859

■ 89.4687, 96.1252,
89.8884

■ 75.6491, 90.5968,
17.1394

■ 93.0099, 97.5418,
108.5330

■ 75.1883, 90.4125,
14.7168

■ 93.0106, 97.5421,
108.5331

■ 74.9796, 90.3289,
13.6212

■ 93.0113, 97.5425,
108.5331

■ 74.9532, 90.3183,
13.4827

■ 93.0119, 97.5428,
108.5331

■ 93.0126, 97.5431,
108.5332

■ 93.0133, 97.5435,
108.5332

Harmonies

Analogous

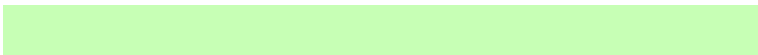
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3404, 92.7166, 44.5029



80.9560, 92.7166, 45.0817



70.5915, 92.7166, 57.8863

Triad

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



80.9560, 92.7166, 45.0817



71.4134, 92.7166, 165.1087



115.8830, 92.7166, 119.3708

Complementary

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



80.9560, 92.7166, 45.0817



43.1728, 37.8754, 97.1363

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.



108.3435, 92.7166, 161.3638



80.9560, 92.7166, 45.0817



82.1875, 92.7166, 191.9817

Square

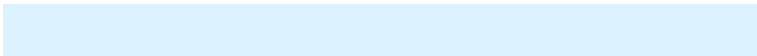
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9560, 92.7166, 45.0817



65.4800, 92.7166, 123.5715



95.7038, 92.7166, 190.4585



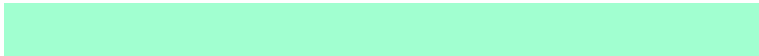
115.4665, 92.7166, 81.2774

Rectangle

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



80.9560, 92.7166, 45.0817



66.3794, 92.7166, 74.0694



95.7038, 92.7166, 190.4585



114.1645, 92.7166, 133.6612

Sweetspot

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



80.9583, 92.7208, 45.0836



90.8575, 98.3229, 86.8264



58.0372, 46.8749, 37.4426



19.3461, 21.0047, 18.0519



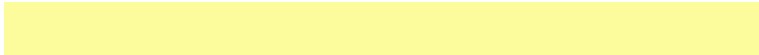
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

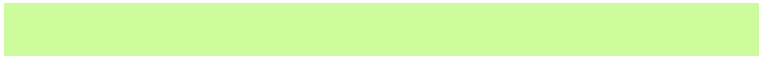
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9583, 92.7208, 45.0836



81.5626, 94.6047, 37.8928



65.7166, 84.8634, 44.3703



18.7273, 20.1907, 18.3726



39.0417, 47.0450, 7.0229



3.6160, 4.3572, 0.6504

Inverse Universe

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



43.1728, 37.8754, 97.1363



37.5286, 30.6894, 98.5534



54.3638, 43.6446, 97.6600



16.2832, 16.6431, 21.7395



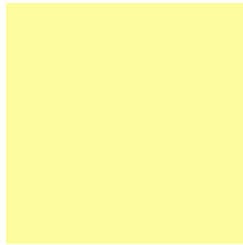
9.1529, 3.6612, 48.1978



0.8478, 0.3391, 4.4639

Previews

White Background



This preview shows how the XYZ color 80.9560, 92.7166, 45.0817 looks on a white background.

Color Contrast Check

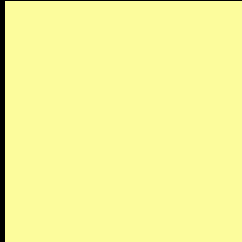
Large Text (above 18pt) WCAG AA × Fail

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 80.9560, 92.7166, 45.0817 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 80.9560, 92.7166, 45.0817

Background



This preview shows how black text looks on a background with the XYZ color 80.9560, 92.7166, 45.0817.

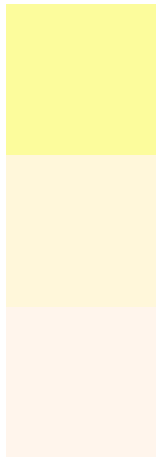


This preview shows how white text looks on a background with the XYZ color 80.9560, 92.7166,

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

80.9560, 92.7166, 45.0817

Protanopia

87.1557, 92.8435, 79.6567

Deuteranopia

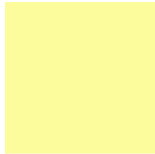
89.0327, 92.6209, 92.5420



Tritanopia

90.8613, 92.3895, 105.1395

Trichromacy



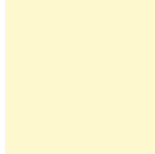
Original Color

80.9560, 92.7166, 45.0817



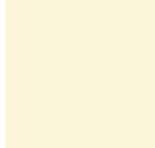
Protanomaly

84.5991, 92.7623, 65.0758



Deuteranomaly

85.7029, 92.7106, 72.4094



Tritanomaly

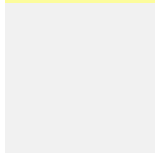
86.3532, 91.9921, 78.8506

Monochromacy



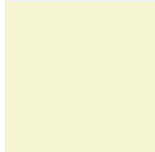
Original Color

80.9560, 92.7166, 45.0817



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.9415, 89.3704, 73.9042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9560, 92.7166, 45.0817 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(252, 252, 156)` looks like.

```
.text, #text, p{  
    color:rgb(252, 252, 156)  
}
```

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(252, 252, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 252, 156) }
```

Border

The CSS property to change the border of an element to XYZ 80.9560, 92.7166, 45.0817 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(252, 252, 156) }
```


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

```
.border{ border-color:rgb(252, 252, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 252, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 252, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 252, 156);  
box-shadow:4px 4px 4px 4px rgb(252, 252,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9560, 92.7166, 45.0817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 252, 156) }
```

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

```
.background{ background-color: rgb(252,  
252, 156) }
```

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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