

Converting Colors

XYZ(102.2800, 137.7617,
54.5660)

Have a look what the booklet for
XYZ(102.2800, 137.7617, 54.5660)
contains.

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Color

**XYZ(80.1112, 93.6509,
47.1118)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFA0
RGB	246, 255, 160
RGB Percent	96%, 100%, 63%
CMY	0.0353, 0.0000, 0.3725
CMYK	0.04, 0.00, 0.37, 0.00
HSL	66°, 100%, 81%
HSV	66°, 37%, 100%
XYZ	80.1112, 93.6509, 47.1118
YIQ	241.4790, 25.1310, -31.4530

Conversions

Conversions Part 2

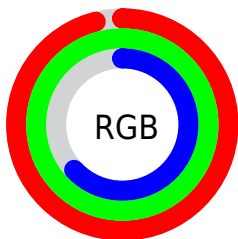
Format	Color
RYB	160, 255, 169
Decimal	16187296
CIELab	97.49, -16.88, 44.40
CIElCh	97, 47.505, 110.816
Yxy	93.6509, 0.3627, 0.4240
Android (android.graphics.Color)	4294377376 (0xFFFF6FFA0)
YUV	241.4790, -40.1691, 3.9649
Hunter-Lab	96.7734, -21.5871, 38.8775

Details

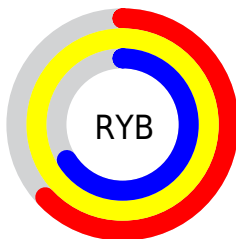
The XYZ color **80.1112, 93.6509, 47.1118** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.9840, 40.7979, 100.0062**, and the grayscale version is **84.2787, 88.6678, 96.5592**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **43.5870, 52.1411, 21.6769** is the 20% darker color. If you saturate the color by 10%, you get **77.2623, 92.4141, 36.5041**, and if you desaturate by 10%, it is **83.4292, 95.0766, 60.1321**.

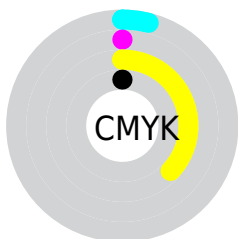
Distribution



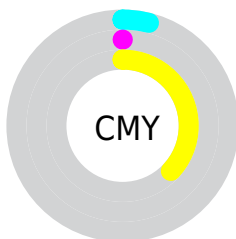
- Red (96%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (66%)



- Cyan (4%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1112, 93.6509, 47.1118 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 80.1112, 93.6509, 47.1118 by changing the saturation by 10% instead.


 80.1112, 93.6509,
47.1118


 80.1112, 93.6509,
47.1118


484.0383,
539.8369, 391.6673

 60.1186, 71.0126,
32.7691


 132.4718,
152.3994, 87.2322

 43.7641, 52.3525,
21.6799


 165.5705,
189.2785, 113.8470

 30.6822, 37.2861,
13.4258

203.7686,
231.6733, 145.3895

 20.5076, 25.4291,
7.5883

247.4316,
279.9682, 182.2783

 12.8750, 16.3970,
3.7487

296.9247,
334.5476, 224.9319

 7.4189, 9.8055,
1.4885

352.6132,

 3.7741, 5.2702,

395.7960, 273.7690

0.2093

414.8627,
464.0976, 329.2079

■ 1.5751, 2.4067,
0.0000

■ 0.3761, 0.8293,
0.0000

■ 80.1112, 93.6509,
47.1118

■ 80.1112, 93.6509,
47.1118

■ 77.2623, 92.4141,
36.5041

■ 83.4292, 95.0766,
60.1321

■ 74.8536, 91.3546,
28.1568

■ 87.2413, 96.7013,
75.6969

■ 72.8539, 90.4600,
21.9065

■ 91.5717, 98.5345,
93.9331

■ 71.2278, 89.7161,
17.5662

95.0500, 100.0000,
108.9000

■ 69.9333, 89.1061,
14.9159

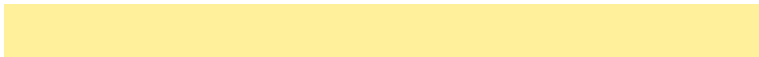
■ 68.9166, 88.6084,
13.6719

■ 68.6639, 88.4826,
13.4599

Harmonies

Analogous

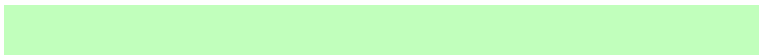
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2157, 93.6509, 44.8217



80.1112, 93.6509, 47.1118



70.3868, 93.6509, 61.8763

Triad

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



80.1112, 93.6509, 47.1118



73.6129, 93.6509, 171.0490



117.1447, 93.6509, 114.2884

Complementary

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



80.1112, 93.6509, 47.1118



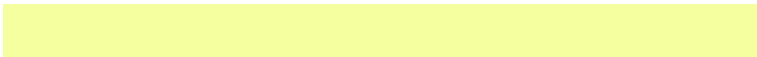
46.9840, 40.7979, 100.0062

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.



110.6640, 93.6509, 156.4584



80.1112, 93.6509, 47.1118



84.9374, 93.6509, 194.2605

Square

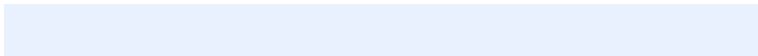
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1112, 93.6509, 47.1118



66.9066, 93.6509, 130.7051



98.5496, 93.6509, 188.3348



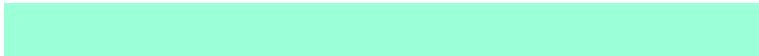
115.5186, 93.6509, 77.7888

Rectangle

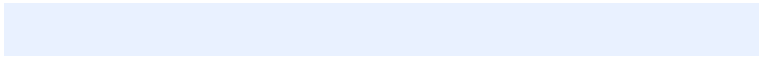
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1112, 93.6509, 47.1118



66.6980, 93.6509, 79.4607



98.5496, 93.6509, 188.3348



115.8195, 93.6509, 128.3729

Sweetspot

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



80.1115, 93.6510, 47.1131



89.8873, 97.8228, 86.7810



61.5731, 51.7736, 40.0070



19.1130, 20.8845, 18.0410



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

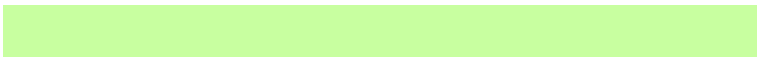
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1115, 93.6510, 47.1131



77.8650, 92.6770, 38.6922



65.8141, 86.2804, 46.4440



19.3816, 20.9981, 19.1759



35.9480, 46.2699, 7.0363



3.5475, 4.5295, 0.6873

Inverse Universe

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



46.9840, 40.7979, 100.0062



40.2497, 32.6402, 98.7865



58.7685, 46.8730, 100.5577



17.1626, 17.4600, 22.7155



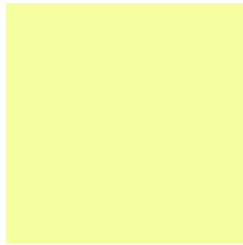
9.6832, 3.9024, 49.6775



0.9939, 0.4063, 4.8393

Previews

White Background



This preview shows how the XYZ color 80.1112, 93.6509, 47.1118 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 80.1112, 93.6509, 47.1118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

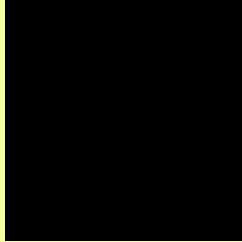
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1112, 93.6509, 47.1118

Background



This preview shows how black text looks on a background with the XYZ color 80.1112, 93.6509, 47.1118.

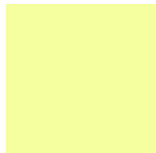


This preview shows how white text looks on a background with the XYZ color 80.1112, 93.6509,

Color Blindness Simulation

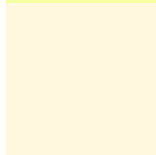
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



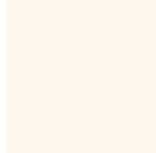
Original Color

80.1112, 93.6509, 47.1118



Protanopia

88.1267, 93.7225, 83.2575



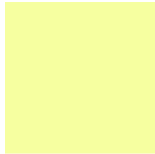
Deuteranopia

89.6284, 93.3446, 94.1823

Tritanopia

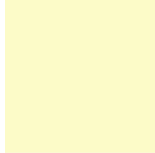
91.2104, 93.4075, 107.8299

Trichromacy



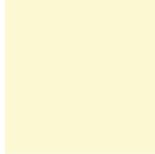
Original Color

80.1112, 93.6509, 47.1118



Protanomaly

85.0674, 93.8599, 68.2768



Deuteranomaly

85.6534, 93.1000, 74.4284



Tritanomaly

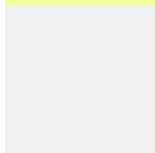
86.2183, 93.2427, 81.1636

Monochromacy



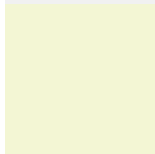
Original Color

80.1112, 93.6509, 47.1118



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.8016, 89.7197, 75.2936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1112, 93.6509, 47.1118 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(246, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 160)  
}
```

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(246, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 80.1112, 93.6509, 47.1118 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(246, 255, 160) }
```


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

```
.border{ border-color:rgb(246, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1112, 93.6509, 47.1118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 160) }
```

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

```
.background{ background-color: rgb(246,  
255, 160) }
```

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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