

Converting Colors

XYZ(122.5920, 177.9244,
70.7715)

Have a look what the booklet for
XYZ(122.5920, 177.9244, 70.7715)
contains.

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Color

**XYZ(80.5146, 93.6519,
56.4809)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFB3
RGB	242, 255, 179
RGB Percent	95%, 100%, 70%
CMY	0.0510, 0.0000, 0.2980
CMYK	0.05, 0.00, 0.30, 0.00
HSL	70°, 100%, 85%
HSV	70°, 30%, 100%
XYZ	80.5146, 93.6519, 56.4809
YIQ	242.4490, 16.6480, -26.3920

Conversions

Conversions Part 2

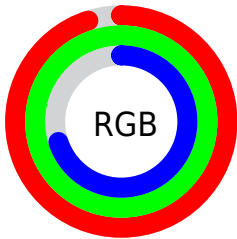
Format	Color
RYB	179, 255, 192
Decimal	15925171
CIELab	97.49, -16.09, 34.98
CIELCh	97, 38.501, 114.706
Yxy	93.6519, 0.3491, 0.4060
Android (android.graphics.Color)	4294115251 (0xFFFF2FFB3)
YUV	242.4490, -31.2804, -0.3938
Hunter-Lab	96.7739, -20.8447, 33.1379

Details

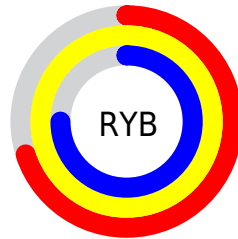
The XYZ color **80.5146, 93.6519, 56.4809** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.9094, 50.6680, 101.4409**, and the grayscale version is **84.9840, 89.4098, 97.3673**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **43.9676, 52.2088, 27.4986** is the 20% darker color. If you saturate the color by 10%, you get **76.6900, 91.9512, 44.0614**, and if you desaturate by 10%, it is **84.8527, 95.5622, 71.4164**.

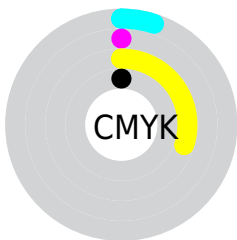
Distribution



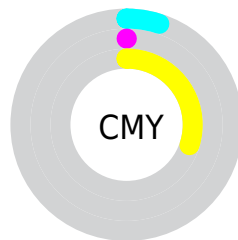
- Red (95%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (75%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5146, 93.6519, 56.4809 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 80.5146, 93.6519, 56.4809 by changing the saturation by 10% instead.


 80.5146, 93.6519,
56.4809

 80.5146, 93.6519,
56.4809


485.3755,
539.8401, 428.9404

 60.4518, 71.0135,
40.1820


 133.0357,
152.4008, 101.2002

 44.0338, 52.3532,
27.3656


166.2248,
189.2801, 130.4576

 30.8951, 37.2867,
17.6132

204.5200,
231.6751, 164.8717

 20.6704, 25.4295,
10.5061

248.2867,
279.9703, 204.8610

 12.9944, 16.3974,
5.6258

297.8902,
334.5500, 250.8439

 7.5017, 9.8058,
2.5538

353.6960,

 3.8269, 5.2704,

395.7986, 303.2392

0.8685

416.0693,
464.1005, 362.4651

■ 1.6047, 2.4068,
0.0000

■ 0.3954, 0.8294,
0.0000

■ 80.5146, 93.6519,
56.4809

■ 80.5146, 93.6519,
56.4809

■ 76.6900, 91.9512,
44.0614

■ 84.8527, 95.5622,
71.4164

■ 73.3511, 90.4488,
34.0153

■ 89.7276, 97.6913,
88.9919

■ 70.4691, 89.1333,
26.1918

95.0500, 100.0000,
108.9000

■ 68.0117, 87.9916,
20.4211

■ 65.9417, 87.0089,
16.5093

■ 64.2149, 86.1675,
14.2249

■ 62.7607, 85.4391,
13.1980

■ 62.7333, 85.4252,
13.1823

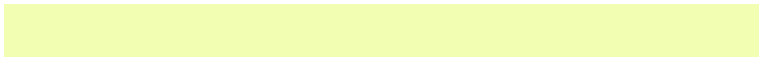
Harmonies

Analogous

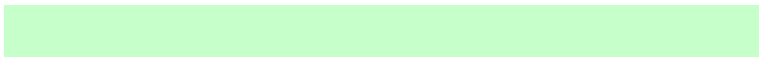
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9665, 93.6519, 53.0115



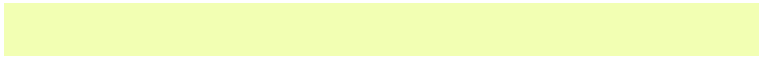
80.5146, 93.6519, 56.4809



72.9374, 93.6519, 70.9977

Triad

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



80.5146, 93.6519, 56.4809



77.4140, 93.6519, 159.4121



111.6239, 93.6519, 107.6258

Complementary

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



80.5146, 93.6519, 56.4809



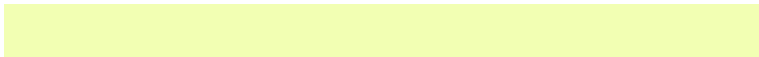
55.9094, 50.6680, 101.4409

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.



107.2932, 93.6519, 140.8514



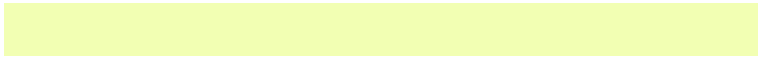
80.5146, 93.6519, 56.4809



87.0883, 93.6519, 174.4158

Square

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



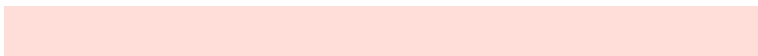
80.5146, 93.6519, 56.4809



71.2525, 93.6519, 129.2550



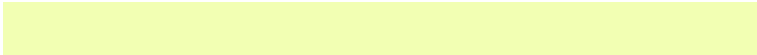
98.0900, 93.6519, 167.0101



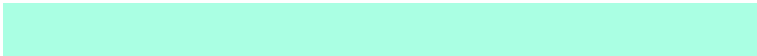
109.5045, 93.6519, 78.8251

Rectangle

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



80.5146, 93.6519, 56.4809



70.2404, 93.6519, 86.9040



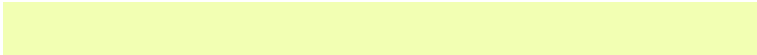
98.0900, 93.6519, 167.0101



110.8644, 93.6519, 118.6860

Sweetspot

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



80.5150, 93.6521, 56.4822



90.1430, 97.8721, 90.5213



68.1539, 62.0687, 51.0375



19.1338, 20.8788, 18.7849



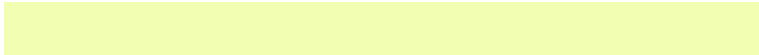
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

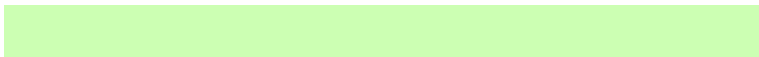
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5150, 93.6521, 56.4822



78.0858, 92.5740, 48.4974



68.8907, 87.6595, 55.9382



19.2384, 20.9243, 19.1692



32.8916, 44.6943, 6.8933



3.2794, 4.3914, 0.6748

Inverse Universe

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



55.9094, 50.6680, 101.4409



49.7507, 43.0576, 100.2965



66.6971, 56.2292, 101.9458



17.2925, 17.5270, 22.7216



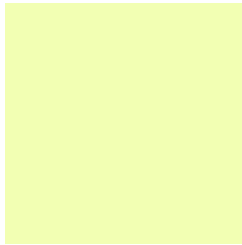
10.0496, 4.0912, 49.6946



1.0551, 0.4378, 4.8422

Previews

White Background



This preview shows how the XYZ color 80.5146, 93.6519, 56.4809 looks on a white background.

Color Contrast Check

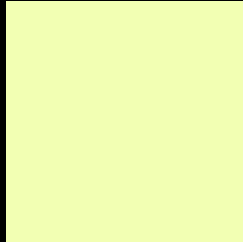
Large Text (above 18pt) WCAG AA × Fail

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 80.5146, 93.6519, 56.4809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

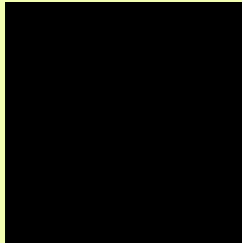
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5146, 93.6519, 56.4809

Background



This preview shows how black text looks on a background with the XYZ color 80.5146, 93.6519, 56.4809.



This preview shows how white text looks on a background with the XYZ color 80.5146, 93.6519,

Color Blindness Simulation

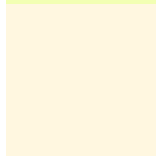
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



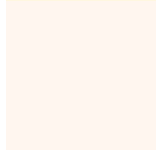
Original Color

80.5146, 93.6519, 56.4809



Protanopia

87.9553, 93.1633, 83.8676



Deuteranopia

89.7758, 93.4035, 94.9583

Tritanopia

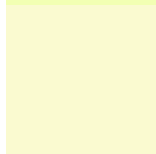
90.4301, 93.4555, 107.8803

Trichromacy



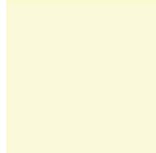
Original Color

80.5146, 93.6519, 56.4809



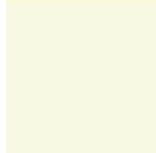
Protanomaly

84.9951, 93.2493, 73.1937



Deuteranomaly

85.8244, 93.0851, 79.0894



Tritanomaly

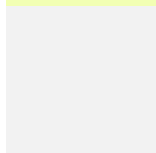
86.0986, 93.0716, 86.0998

Monochromacy



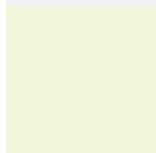
Original Color

80.5146, 93.6519, 56.4809



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.6649, 90.5132, 80.1317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5146, 93.6519, 56.4809 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(242, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 179)  
}
```

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(242, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 80.5146, 93.6519, 56.4809 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(242, 255, 179) }
```


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

```
.border{ border-color:rgb(242, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5146, 93.6519, 56.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 179) }
```

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

```
.background{ background-color: rgb(242,  
255, 179) }
```

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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