

Converting Colors

XYZ(80.2249, 92.7188, 39.2610)

Have a look what the booklet for
XYZ(80.2249, 92.7188, 39.2610)
contains.

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Color

**XYZ(80.5158, 93.0862,
39.3150)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFD8E
RGB	253, 253, 142
RGB Percent	99%, 99%, 56%
CMY	0.0078, 0.0078, 0.4431
CMYK	0.00, 0.00, 0.44, 0.01
HSL	60°, 97%, 77%
HSV	60°, 44%, 99%
XYZ	80.5158, 93.0862, 39.3150
YIQ	240.3460, 35.6310, -34.5210

Conversions

Conversions Part 2

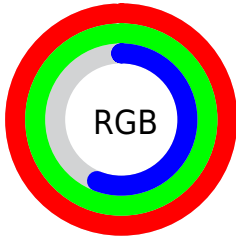
Format	Color
RYB	142, 253, 142
Decimal	16645518
CIELab	97.26, -15.10, 52.86
CIELCh	97, 54.978, 105.945
Yxy	93.0862, 0.3782, 0.4372
Android (android.graphics.Color)	4294835598 (0xFFFD8E)
YUV	240.3460, -48.4846, 11.0976
Hunter-Lab	96.4812, -19.8797, 43.3768

Details

The XYZ color **80.5158, 93.0862, 39.3150** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.5612, 32.1909, 97.1151**, and the grayscale version is **83.4463, 87.7920, 95.6055**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **44.2751, 52.2559, 17.2040** is the 20% darker color. If you saturate the color by 10%, you get **78.8282, 92.4144, 30.4211**, and if you desaturate by 10%, it is **82.6391, 93.9389, 50.4831**.

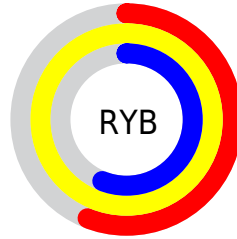
Distribution



Red (99%)

Green (99%)

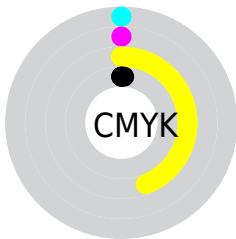
Blue (56%)



Red (56%)

Yellow (99%)

Blue (56%)

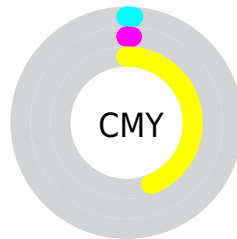


Cyan (0%)

Magenta (0%)

Yellow (44%)

Black (1%)



Cyan (1%)


Magenta (1%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5158, 93.0862, 39.3150 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 80.5158, 93.0862, 39.3150 by changing the saturation by 10% instead.


 80.5158, 93.0862,
39.3150

 80.5158, 93.0862,
39.3150


485.3795,
538.0198, 358.6938

 60.4528, 70.5432,
26.6952


 133.0374,
151.6179, 75.3449

 44.0346, 51.9695,
17.1140


 166.2267,
188.3754, 99.5921

 30.8957, 36.9807,
10.1530

204.5222,
230.6399, 128.5521

 20.6709, 25.1926,
5.3936

248.2892,
278.7956, 162.6435

 12.9947, 16.2206,
2.4172

297.8931,
333.2271, 202.2848

 7.5019, 9.6804,
0.7958

353.6992,

 3.8270, 5.1876,

394.3187, 247.8946

0.0000

416.0729,
462.4548, 299.8914

■ 1.6047, 2.3577,
0.0000

■ 0.3955, 0.8040,
0.0000

■ 80.5158, 93.0862,
39.3150

■ 80.5158, 93.0862,
39.3150

■ 78.8282, 92.4144,
30.4211

■ 82.6391, 93.9389,
50.4831

■ 77.5399, 91.8991,
23.6402

■ 85.2180, 94.9706,
64.0607

■ 76.6200, 91.5310,
18.7989

■ 88.2795, 96.1952,
80.1793

■ 76.0299, 91.2949,
15.6941

■ 91.8464, 97.6220,
98.9592

■ 75.7224, 91.1719,
14.0778

■ 93.6881, 98.3588,
108.6550

■ 75.6322, 91.1357,
13.6047

■ 93.6887, 98.3591,
108.6550

■ 93.6893, 98.3594,
108.6550

■ 93.6898, 98.3597,
108.6551

■ 93.6904, 98.3600,
108.6551

Harmonies

Analogous

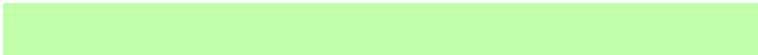
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9352, 93.0862, 38.9277



80.5158, 93.0862, 39.3150



68.6858, 93.0862, 52.7221

Triad

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



80.5158, 93.0862, 39.3150



69.2761, 93.0862, 176.1637



120.7544, 93.0862, 123.5988

Complementary

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



80.5158, 93.0862, 39.3150



38.5612, 32.1909, 97.1151

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.



111.7426, 93.0862, 173.2941



80.5158, 93.0862, 39.3150



81.4131, 93.0862, 209.1409

Square

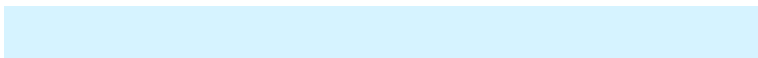
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5158, 93.0862, 39.3150



62.7346, 93.0862, 126.7371



96.9435, 93.0862, 207.9590



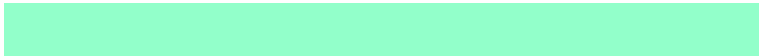
120.4408, 93.0862, 79.6105

Rectangle

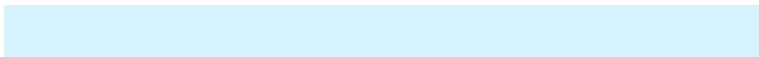
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5158, 93.0862, 39.3150



63.8915, 93.0862, 70.3121



96.9435, 93.0862, 207.9590



118.6735, 93.0862, 140.4068

Sweetspot

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



80.5181, 93.0905, 39.3169



90.1640, 98.0455, 83.1744



55.0666, 42.1839, 30.8324



19.1401, 20.9223, 16.9671



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

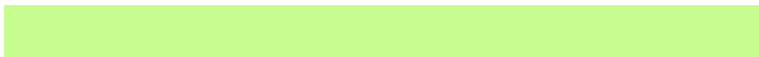
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5181, 93.0905, 39.3169



80.3780, 94.1309, 31.6543



63.1685, 84.1464, 38.5050



19.5612, 21.0907, 19.1843



40.2312, 48.4780, 7.2368



3.9172, 4.7202, 0.7046

Inverse Universe

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



38.5612, 32.1909, 97.1151



32.4745, 24.5998, 97.6444



50.5626, 38.3778, 97.6768



17.0032, 17.3779, 22.7080



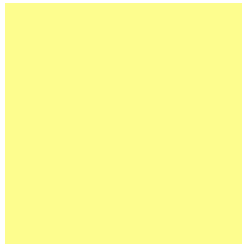
9.4317, 3.7727, 49.6657



0.9184, 0.3674, 4.8358

Previews

White Background



This preview shows how the XYZ color 80.5158, 93.0862, 39.3150 looks on a white background.

Color Contrast Check

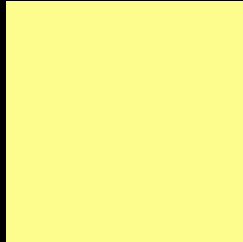
Large Text (above 18pt) WCAG AA × Fail

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 80.5158, 93.0862, 39.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

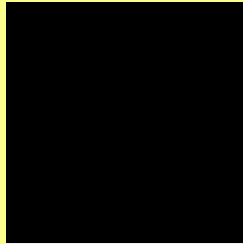
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5158, 93.0862, 39.3150

Background



This preview shows how black text looks on a background with the XYZ color 80.5158, 93.0862, 39.3150.



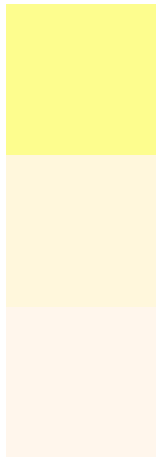
This preview shows how white text looks on a background with the XYZ color 80.5158, 93.0862,

39.3150.

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

80.5158, 93.0862, 39.3150

Protanopia

87.4190, 92.9488, 81.0436

Deuteranopia

89.3361, 93.2277, 92.6431



Tritanopia

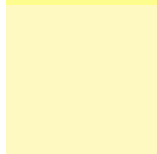
91.1614, 92.9896, 105.2395

Trichromacy



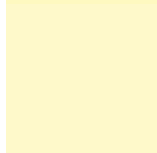
Original Color

80.5158, 93.0862, 39.3150



Protanomaly

84.2632, 92.6280, 63.3070



Deuteranomaly

85.4094, 93.0865, 69.3430



Tritanomaly

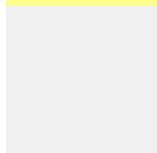
86.0175, 92.3458, 75.5783

Monochromacy



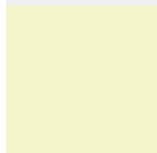
Original Color

80.5158, 93.0862, 39.3150



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.2077, 89.0769, 70.0402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5158, 93.0862, 39.3150 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(253, 253, 142)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 142)  
}
```

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(253, 253, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 142) }
```

Border

The CSS property to change the border of an element to XYZ 80.5158, 93.0862, 39.3150 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(253, 253, 142) }
```


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

```
.border{ border-color:rgb(253, 253, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 142);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5158, 93.0862, 39.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 142) }
```

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

```
.background{ background-color: rgb(253,  
253, 142) }
```

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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