

Converting Colors

XYZ(80.7497, 91.0797, 43.4612)

Have a look what the booklet for
XYZ(80.7497, 91.0797, 43.4612)
contains.

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Color

**XYZ(80.8655, 91.3113,
43.4998)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF999
RGB	255, 249, 153
RGB Percent	100%, 98%, 60%
CMY	0.0000, 0.0235, 0.4000
CMYK	0.00, 0.02, 0.40, 0.00
HSL	56°, 100%, 80%
HSV	56°, 40%, 100%
XYZ	80.8655, 91.3113, 43.4998
YIQ	239.8500, 34.3920, -28.5840

Conversions

Conversions Part 2

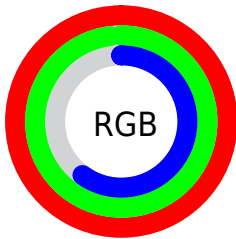
Format	Color
R _Y B	159, 255, 153
Decimal	16775577
CIE Lab	96.54, -11.30, 46.73
CIE LCh	97, 48.076, 103.590
Yxy	91.3113, 0.3749, 0.4234
Android (android.graphics.Color)	4294965657 (0xFFFFFFFF99)
YUV	239.8500, -42.8170, 13.2866
Hunter-Lab	95.5569, -16.1682, 39.8996

Details

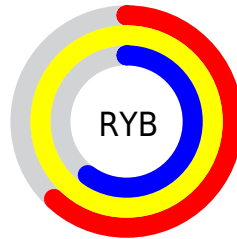
The XYZ color **80.8655, 91.3113, 43.4998** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.5849, 38.7876, 99.7973**, and the grayscale version is **83.0147, 87.3379, 95.1110**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **44.3962, 50.9303, 19.5472** is the 20% darker color. If you saturate the color by 10%, you get **78.5200, 89.6383, 33.4144**, and if you desaturate by 10%, it is **83.6692, 93.1801, 55.9604**.

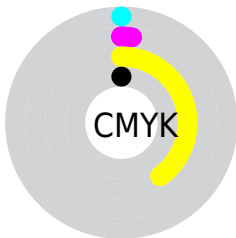
Distribution



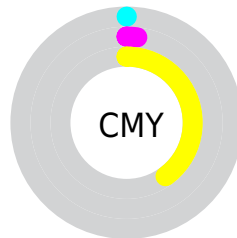
- Red (100%)
- Green (98%)
- Blue (60%)



- Red (62%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (2%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8655, 91.3113, 43.4998 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 80.8655, 91.3113, 43.4998 by changing the saturation by 10% instead.

 80.8655, 91.3113,
43.4998


 80.8655, 91.3113,
43.4998


486.5371,
532.2873, 376.6446

 60.7417, 69.0687,
29.9432


 133.5260,
149.1585, 81.7590

 44.2685, 50.7677,
19.5438


 166.7935,
185.5320, 107.2986

 31.0805, 36.0238,
11.8831


205.1730,
227.3845, 137.6696

 20.8123, 24.4526,
6.5425

249.0298,
275.1005, 173.2905

 13.0985, 15.6697,
3.1036

298.7292,
329.0644, 214.5800

 7.5739, 9.2907,
1.1478

354.6367,

 3.8730, 4.9313,

389.6606, 261.9564

0.0000

417.1175,
457.2734, 315.8385

■ 1.6305, 2.2070,
0.0000

■ 0.4122, 0.7238,
0.0000

■ 80.8655, 91.3113,
43.4998

■ 80.8655, 91.3113,
43.4998

■ 78.5200, 89.6383,
33.4144

■ 83.6692, 93.1801,
55.9604

■ 76.5972, 88.1369,
25.5461

■ 86.9509, 95.2427,
70.9294

■ 75.0669, 86.7984,
19.7268

■ 90.7371, 97.5131,
88.5370

■ 73.8921, 85.6081,
15.7618

95.0500, 100.0000,
108.9000

■ 73.0288, 84.5481,
13.4188

■ 72.4049, 83.5898,
12.3184

■ 72.4049, 83.5897,
12.3183

Harmonies

Analogous

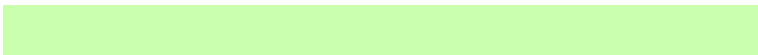
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2850, 91.3113, 44.0447



80.8655, 91.3113, 43.4998



70.1846, 91.3113, 54.9262

Triad

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



80.8655, 91.3113, 43.4998



69.4078, 91.3113, 159.5787



113.9703, 91.3113, 121.7970

Complementary

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



80.8655, 91.3113, 43.4998



43.5849, 38.7876, 99.7973

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.



105.8243, 91.3113, 163.1314



80.8655, 91.3113, 43.4998



79.7006, 91.3113, 188.5000

Square

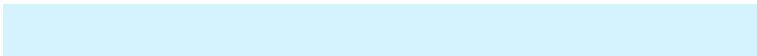
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8655, 91.3113, 43.4998



64.0449, 91.3113, 117.8178



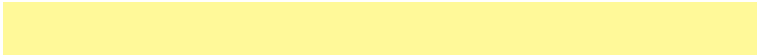
92.9942, 91.3113, 189.9461



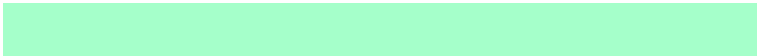
114.3650, 91.3113, 83.0491

Rectangle

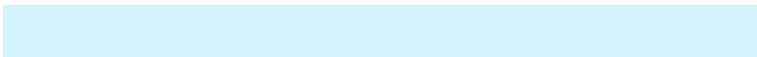
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8655, 91.3113, 43.4998



65.6678, 91.3113, 70.0402



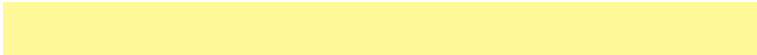
92.9942, 91.3113, 189.9461



112.0125, 91.3113, 136.0504

Sweetspot

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



80.8677, 91.3155, 43.5017



89.9379, 97.0417, 84.7964



58.9596, 46.5746, 39.0496



19.1412, 20.7060, 17.6400



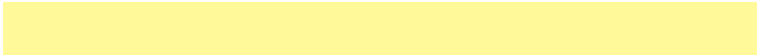
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

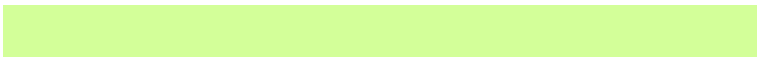
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8677, 91.3155, 43.5017



78.9544, 89.9591, 35.2482



68.3171, 87.6395, 43.4537



19.4644, 20.8970, 19.1520



37.8725, 43.7562, 6.4497



3.7142, 4.3138, 0.6369

Inverse Universe

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



43.5849, 38.7876, 99.7973



37.0076, 30.8696, 98.6156



52.5205, 41.9010, 99.9273



17.0887, 17.5489, 22.7366



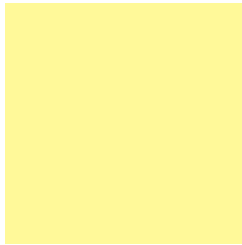
9.5539, 4.0174, 49.7065



0.9590, 0.4486, 4.8493

Previews

White Background



This preview shows how the XYZ color 80.8655, 91.3113, 43.4998 looks on a white background.

Color Contrast Check

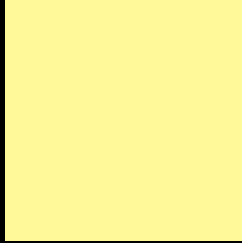
Large Text (above 18pt) WCAG AA × Fail

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 80.8655, 91.3113, 43.4998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

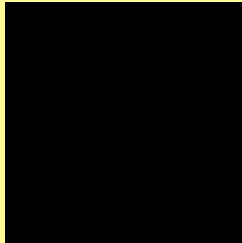
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.8655, 91.3113, 43.4998

Background



This preview shows how black text looks on a background with the XYZ color 80.8655, 91.3113, 43.4998.



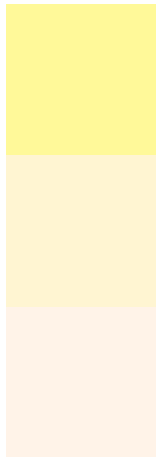
This preview shows how white text looks on a background with the XYZ color 80.8655, 91.3113,

43.4998.

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

80.8655, 91.3113, 43.4998

Protanopia

85.5253, 91.2180, 74.0719

Deuteranopia

87.8561, 91.1874, 89.3143



Tritanopia

89.9506, 91.0727, 103.2804

Trichromacy



Original Color

80.8655, 91.3113, 43.4998



Protanomaly

83.3811, 90.8457, 61.2844



Deuteranomaly

84.6719, 90.8766, 69.5782



Tritanomaly

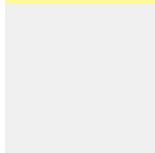
85.8564, 90.8677, 77.3041

Monochromacy



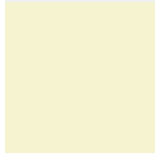
Original Color

80.8655, 91.3113, 43.4998



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.0919, 88.0677, 72.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8655, 91.3113, 43.4998 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(255, 249, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 153)  
}
```

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(255, 249, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 153) }
```

Border

The CSS property to change the border of an element to XYZ 80.8655, 91.3113, 43.4998 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(255, 249, 153) }
```


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

```
.border{ border-color:rgb(255, 249, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8655, 91.3113, 43.4998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 153) }
```

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

```
.background{ background-color: rgb(255,  
249, 153) }
```

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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