

Converting Colors

XYZ(80.0663, 93.7692, 40.7184)

Have a look what the booklet for
XYZ(80.0663, 93.7692, 40.7184)
contains.

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Color

**XYZ(79.9378, 93.7041,
40.6616)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FF91
RGB	249, 255, 145
RGB Percent	98%, 100%, 57%
CMY	0.0235, 0.0000, 0.4314
CMYK	0.02, 0.00, 0.43, 0.00
HSL	63°, 100%, 78%
HSV	63°, 43%, 100%
XYZ	79.9378, 93.7041, 40.6616
YIQ	240.6660, 31.7340, -35.4820

Conversions

Conversions Part 2

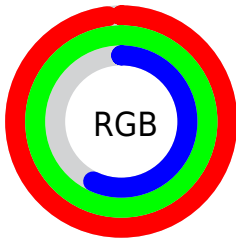
Format	Color
RYB	145, 255, 151
Decimal	16383889
CIELab	97.51, -17.32, 51.69
CIELCh	98, 54.510, 108.522
Yxy	93.7041, 0.3730, 0.4372
Android (android.graphics.Color)	4294573969 (0xFFFF9FF91)
YUV	240.6660, -47.1633, 7.3089
Hunter-Lab	96.8009, -21.9969, 42.8556

Details

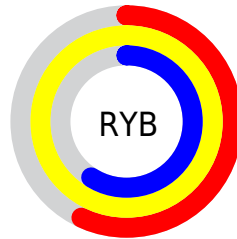
The XYZ color **79.9378, 93.7041, 40.6616** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9390, 34.0514, 99.0226**, and the grayscale version is **83.6871, 88.0453, 95.8814**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **43.6117, 52.2372, 17.9094** is the 20% darker color. If you saturate the color by 10%, you get **77.6930, 92.7491, 31.4191**, and if you desaturate by 10%, it is **82.6280, 94.8376, 52.2308**.

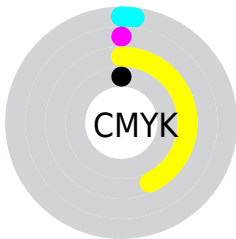
Distribution



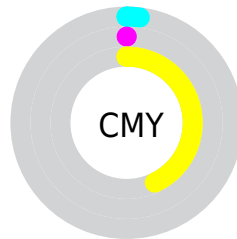
- Red (98%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (59%)



- Cyan (2%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9378, 93.7041, 40.6616 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 79.9378, 93.7041, 40.6616 by changing the saturation by 10% instead.

79.9378, 93.7041,
40.6616

79.9378, 93.7041,
40.6616

483.4629,
540.0079, 364.5390

59.9755, 71.0569,
27.7371

132.2293,
152.4731, 77.4180

43.6482, 52.3886,
17.8902

165.2891,
189.3636, 102.0869

30.5908, 37.3149,
10.7026

203.4455,
231.7706, 131.5078

20.4377, 25.4514,
5.7556

247.0637,
280.0786, 166.0990

12.8237, 16.4137,
2.6307

296.5093,
334.6719, 206.2792

7.3834, 9.8174,
0.9082

352.1474,

3.7515, 5.2780,

395.9350, 252.4669

0.0000

414.3435,
464.2522, 305.0806

■ 1.5625, 2.4113,
0.0000

■ 0.3678, 0.8317,
0.0000

■ 79.9378, 93.7041,
40.6616

■ 79.9378, 93.7041,
40.6616

■ 77.6930, 92.7491,
31.4191

■ 82.6280, 94.8376,
52.2308

■ 75.8631, 91.9605,
24.3422

■ 85.7901, 96.1604,
66.2656

■ 74.4147, 91.3249,
19.2551

■ 89.4493, 97.6824,
82.8987

■ 73.3090, 90.8268,
15.9533

■ 93.6287, 99.4130,
102.2521

■ 72.4986, 90.4473, 95.0500, 100.0000,
14.1882 108.9000

■ 72.0665, 90.2367,
13.6191

Harmonies

Analogous

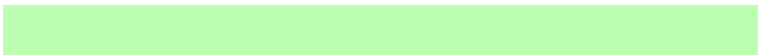
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.1189, 93.7041, 39.2113



79.9378, 93.7041, 40.6616



68.5710, 93.7041, 55.3389

Triad

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



79.9378, 93.7041, 40.6616



70.7661, 93.7041, 180.1528



121.5355, 93.7041, 119.9504

Complementary

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



79.9378, 93.7041, 40.6616



40.9390, 34.0514, 99.0226

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.



113.2778, 93.7041, 169.5495



79.9378, 93.7041, 40.6616



83.2697, 93.7041, 210.4520

Square

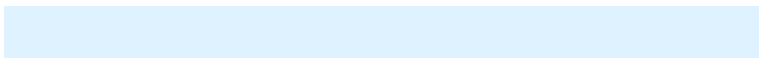
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9378, 93.7041, 40.6616



63.7143, 93.7041, 131.5753



98.8574, 93.7041, 206.0903



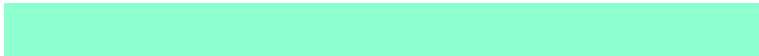
120.3748, 93.7041, 77.2724

Rectangle

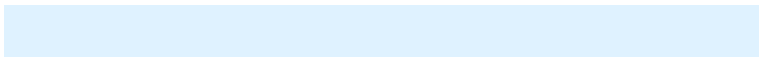
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9378, 93.7041, 40.6616



64.1355, 93.7041, 73.8883



98.8574, 93.7041, 206.0903



119.7338, 93.7041, 136.5340

Sweetspot

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



79.9380, 93.7042, 40.6629



89.5026, 97.7045, 83.1435



57.3379, 45.2780, 32.5068



18.9746, 20.8370, 16.9594



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

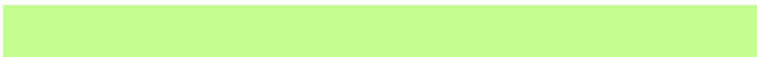
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9380, 93.7042, 40.6629



77.9265, 92.8490, 32.3570



63.2482, 85.1003, 39.8818



19.4576, 21.0373, 19.1794



37.6987, 47.1725, 7.1183



3.6993, 4.6078, 0.6944

Inverse Universe

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



40.9390, 34.0514, 99.0226



34.2085, 25.9544, 97.8145



53.4913, 40.5223, 99.6100



17.0947, 17.4250, 22.7123



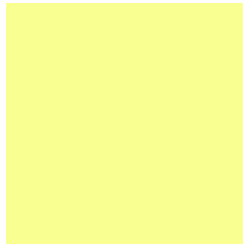
9.5621, 3.8399, 49.6718



0.9618, 0.3898, 4.8378

Previews

White Background



This preview shows how the XYZ color 79.9378, 93.7041, 40.6616 looks on a white background.

Color Contrast Check

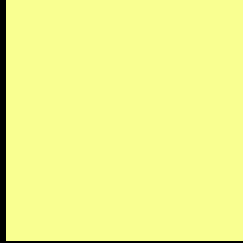
Large Text (above 18pt) WCAG AA × Fail

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 79.9378, 93.7041, 40.6616 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 79.9378, 93.7041, 40.6616

Background



This preview shows how black text looks on a background with the XYZ color 79.9378, 93.7041, 40.6616.

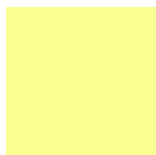


This preview shows how white text looks on a background with the XYZ color 79.9378, 93.7041,

Color Blindness Simulation

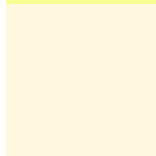
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



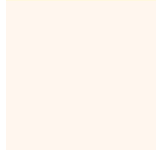
Original Color

79.9378, 93.7041, 40.6616



Protanopia

88.1267, 93.7225, 83.2575



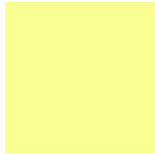
Deuteranopia

89.6284, 93.3446, 94.1823

Tritanopia

91.7818, 93.7206, 107.0184

Trichromacy



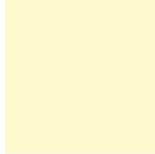
Original Color

79.9378, 93.7041, 40.6616



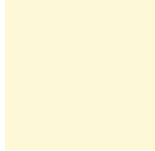
Protanomaly

84.8555, 93.8171, 65.2659



Deuteranomaly

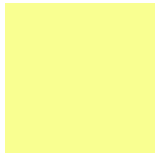
85.2828, 92.9936, 70.5814



Tritanomaly

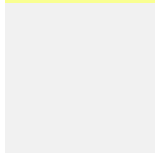
86.5213, 93.4890, 77.1034

Monochromacy



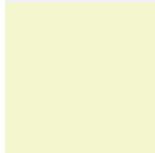
Original Color

79.9378, 93.7041, 40.6616



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.4046, 89.6009, 71.3967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9378, 93.7041, 40.6616 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(249, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 145)  
}
```

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(249, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 145) }
```

Border

The CSS property to change the border of an element to XYZ 79.9378, 93.7041, 40.6616 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(249, 255, 145) }
```


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

```
.border{ border-color:rgb(249, 255, 145) }
```

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

Here you see how a box with a 4 pixel rgb(249, 255, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9378, 93.7041, 40.6616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 145) }
```

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

```
.background{ background-color: rgb(249,  
255, 145) }
```

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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