

Converting Colors

XYZ(93.2315, 121.2895,
46.2146)

Have a look what the booklet for
XYZ(93.2315, 121.2895, 46.2146)
contains.

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Color

**XYZ(79.3842, 93.4007,
41.4479)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FF93
RGB	247, 255, 147
RGB Percent	97%, 100%, 58%
CMY	0.0314, 0.0000, 0.4235
CMYK	0.03, 0.00, 0.42, 0.00
HSL	64°, 100%, 79%
HSV	64°, 42%, 100%
XYZ	79.3842, 93.4007, 41.4479
YIQ	240.2960, 29.9000, -35.2840

Conversions

Conversions Part 2

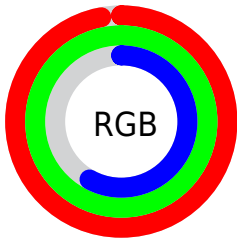
Format	Color
R_{YB}	147, 255, 155
Decimal	16252819
CIE Lab	97.39, -17.88, 50.55
CIE LCh	97, 53.621, 109.477
Yxy	93.4007, 0.3706, 0.4360
Android (android.graphics.Color)	4294442899 (0xFF7FF93)
YUV	240.2960, -45.9949, 5.8794
Hunter-Lab	96.6440, -22.5057, 42.2230

Details

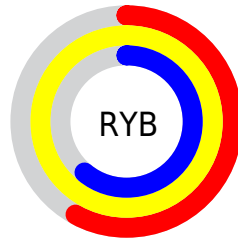
The XYZ color **79.3842, 93.4007, 41.4479** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.0024, 35.0573, 99.1607**, and the grayscale version is **83.3882, 87.7309, 95.5389**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **43.2007, 52.0151, 18.3527** is the 20% darker color. If you saturate the color by 10%, you get **76.9370, 92.3453, 32.0207**, and if you desaturate by 10%, it is **82.2821, 94.6372, 53.2136**.

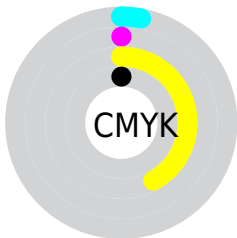
Distribution



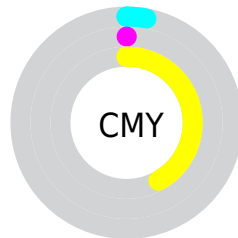
- Red (97%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (61%)



- Cyan (3%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.3842, 93.4007, 41.4479 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 79.3842, 93.4007, 41.4479 by changing the saturation by 10% instead.


 79.3842, 93.4007,
41.4479


 79.3842, 93.4007,
41.4479


481.6233,
539.0322, 367.9211

 59.5185, 70.8046,
28.3469


 131.4547,
152.0533, 78.6244

 43.2786, 52.1827,
18.3460


 164.3901,
188.8785, 103.5370

 30.2992, 37.1508,
11.0267


202.4129,
231.2156, 133.2238

 20.2150, 25.3242,
5.9704

245.8883,
279.4489, 168.1035

 12.6606, 16.3188,
2.7586

295.1816,
333.9628, 208.5945

 7.2706, 9.7500,
0.9727

350.6584,

 3.6798, 5.2335,

395.1417, 255.1154

0.0000

412.6838,
463.3701, 308.0847

■ 1.5226, 2.3849,
0.0000

■ 0.3411, 0.8181,
0.0000

■ 79.3842, 93.4007,
41.4479

■ 79.3842, 93.4007,
41.4479

■ 76.9370, 92.3453,
32.0207

■ 82.2821, 94.6372,
53.2136

■ 74.9102, 91.4588,
24.7722

■ 85.6571, 96.0653,
67.4558

■ 73.2708, 90.7280,
19.5284

■ 89.5340, 97.6950,
84.3062

■ 71.9804, 90.1376,
16.0875

■ 93.9361, 99.5356,
103.8863

■ 70.9925, 89.6690, 95.0500, 100.0000,
14.2050 108.9000

■ 70.3887, 89.3717,
13.5406

Harmonies

Analogous

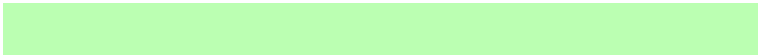
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2182, 93.4007, 39.6168



79.3842, 93.4007, 41.4479



68.3650, 93.4007, 56.4406

Triad

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



79.3842, 93.4007, 41.4479



71.1110, 93.4007, 179.4899



120.7117, 93.4007, 117.7578

Complementary

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



79.3842, 93.4007, 41.4479



42.0024, 35.0573, 99.1607

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.



112.8887, 93.4007, 166.3333



79.3842, 93.4007, 41.4479



83.5447, 93.4007, 208.1498

Square

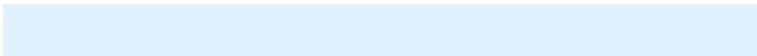
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.3842, 93.4007, 41.4479



63.9791, 93.4007, 132.2285



98.8777, 93.4007, 202.7463



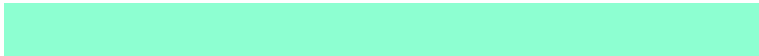
119.2684, 93.4007, 76.2698

Rectangle

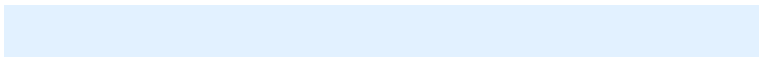
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.3842, 93.4007, 41.4479



64.1258, 93.4007, 75.0916



98.8777, 93.4007, 202.7463



119.0465, 93.4007, 133.9450

Sweetspot

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



79.3844, 93.4008, 41.4492



89.2670, 97.5831, 83.1324



58.0958, 46.5449, 33.5271



18.9158, 20.8066, 16.9566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

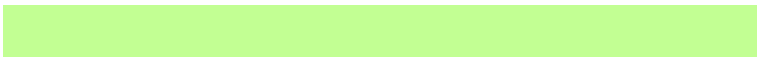
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3844, 93.4008, 41.4492



77.2426, 92.4778, 33.1642



63.2240, 85.0698, 40.6929



19.4206, 21.0182, 19.1777



36.8357, 46.7276, 7.0779



3.6246, 4.5693, 0.6909

Inverse Universe

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



42.0024, 35.0573, 99.1607



35.3021, 26.9910, 97.9569



54.5533, 41.5275, 99.7481



17.1276, 17.4420, 22.7139



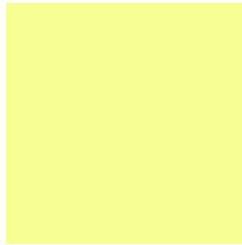
9.6152, 3.8673, 49.6743



0.9774, 0.3978, 4.8385

Previews

White Background



This preview shows how the XYZ color 79.3842, 93.4007, 41.4479 looks on a white background.

Color Contrast Check

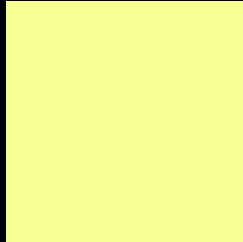
Large Text (above 18pt) WCAG AA × Fail

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 79.3842, 93.4007, 41.4479 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 79.3842, 93.4007, 41.4479

Background



This preview shows how black text looks on a background with the XYZ color 79.3842, 93.4007, 41.4479.



This preview shows how white text looks on a background with the XYZ color 79.3842, 93.4007,

Color Blindness Simulation

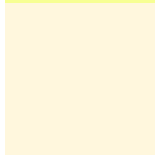
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



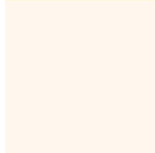
Original Color

79.3842, 93.4007, 41.4479



Protanopia

87.5519, 93.0020, 81.7433



Deuteranopia

89.4818, 93.2860, 93.4106



Tritanopia

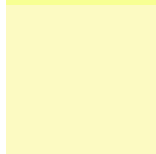
91.6407, 93.1814, 107.7636

Trichromacy



Original Color

79.3842, 93.4007, 41.4479



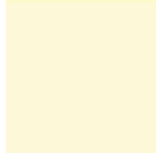
Protanomaly

84.0681, 92.9617, 64.5515



Deuteranomaly

84.9196, 92.8064, 70.5644



Tritanomaly

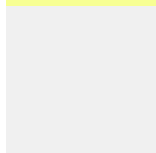
86.1070, 92.7881, 78.3373

Monochromacy



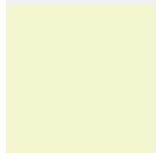
Original Color

79.3842, 93.4007, 41.4479



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.7551, 88.8157, 71.2794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.3842, 93.4007, 41.4479 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(247, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 147)  
}
```

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(247, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 79.3842, 93.4007, 41.4479 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(247, 255, 147) }
```


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

```
.border{ border-color:rgb(247, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 79.3842, 93.4007, 41.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 147) }
```

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

```
.background{ background-color: rgb(247,  
255, 147) }
```

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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