

Converting Colors

XYZ(79.3103, 91.1376, 49.8249)

Have a look what the booklet for
XYZ(79.3103, 91.1376, 49.8249)
contains.

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Color

**XYZ(79.4783, 91.3772,
50.0078)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FBA7
RGB	246, 251, 167
RGB Percent	96%, 98%, 65%
CMY	0.0353, 0.0157, 0.3451
CMYK	0.02, 0.00, 0.33, 0.02
HSL	64°, 91%, 82%
HSV	64°, 33%, 98%
XYZ	79.4783, 91.3772, 50.0078
YIQ	239.9290, 23.9840, -27.1840

Conversions

Conversions Part 2

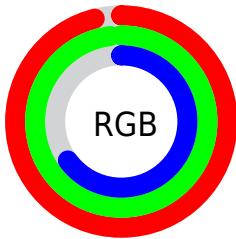
Format	Color
RYB	167, 251, 172
Decimal	16186279
CIELab	96.57, -14.14, 39.77
CIElCh	97, 42.208, 109.570
Yxy	91.3772, 0.3599, 0.4137
Android (android.graphics.Color)	4294376359 (0xFFFF6FBA7)
YUV	239.9290, -35.9540, 5.3243
Hunter-Lab	95.5914, -18.8734, 35.8970

Details

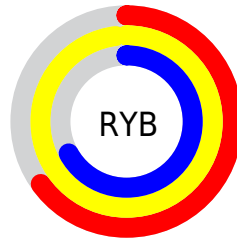
The XYZ color **79.4783, 91.3772, 50.0078** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.2479, 43.3754, 97.1014**, and the grayscale version is **83.0303, 87.3543, 95.1288**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **43.5386, 51.0639, 23.4812** is the 20% darker color. If you saturate the color by 10%, you get **76.8578, 90.2718, 38.9260**, and if you desaturate by 10%, it is **82.5580, 92.6731, 63.4656**.

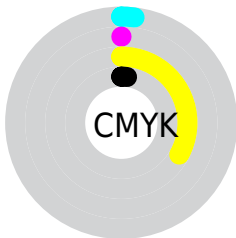
Distribution



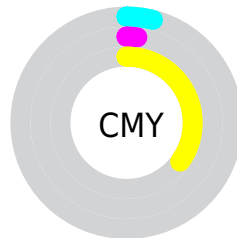
- Red (96%)
- Green (98%)
- Blue (65%)



- Red (65%)
- Yellow (98%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (2%)



- Cyan (4%)
- Magenta (2%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.4783, 91.3772, 50.0078 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 79.4783, 91.3772, 50.0078 by changing the saturation by 10% instead.

79.4783, 91.3772,
50.0078

79.4783, 91.3772,
50.0078

481.9363,
532.5007, 403.4324

59.5961, 69.1235,
35.0484

131.5864,
149.2499, 91.5829

43.3414, 50.8123,
23.4163

164.5430,
185.6377, 119.0356

30.3488, 36.0592,
14.6930

202.5885,
227.5056, 151.4898

20.2528, 24.4799,
8.4600

246.0882,
275.2380, 189.3640

12.6883, 15.6900,
4.2987

295.4075,
329.2193, 233.0769

7.2898, 9.3051,
1.7906

350.9117,

3.6919, 4.9407,

389.8339, 283.0469

0.4217

412.9662,
457.4663, 339.6925

■ 1.5294, 2.2125,
0.0000

■ 0.3457, 0.7268,
0.0000

■ 79.4783, 91.3772,
50.0078

■ 79.4783, 91.3772,
50.0078

■ 76.8578, 90.2718,
38.9260

■ 82.5580, 92.6731,
63.4656

■ 74.6635, 89.3342,
30.0765

■ 86.1141, 94.1569,
79.4201

■ 72.8688, 88.5570,
23.3093

■ 90.1713, 95.8416,
97.9911

■ 71.4413, 87.9270,
18.4537

■ 92.6881, 96.9107,
108.4282

■ 70.3433, 87.4294,
15.3119

■ 93.2319, 97.1910,
108.4536

■ 69.5292, 87.0458,
13.6429

■ 93.7800, 97.4736,
108.4793

■ 69.1072, 86.8394,
13.1194

■ 93.7892, 97.4783,
108.4797

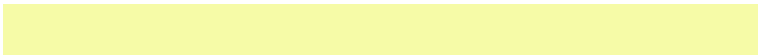
Harmonies

Analogous

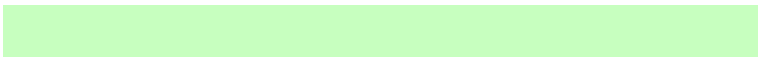
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0196, 91.3772, 48.3344



79.4783, 91.3772, 50.0078



70.7153, 91.3772, 63.0547

Triad

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



79.4783, 91.3772, 50.0078



72.9656, 91.3772, 157.5374



111.1042, 91.3772, 111.7148

Complementary

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



79.4783, 91.3772, 50.0078



48.2479, 43.3754, 97.1014

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.



105.2722, 91.3772, 147.8086



79.4783, 91.3772, 50.0078



82.8122, 91.3772, 177.9632

Square

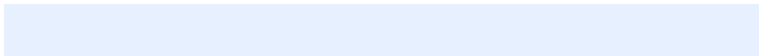
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.4783, 91.3772, 50.0078



67.1974, 91.3772, 122.8597



94.6667, 91.3772, 174.0475



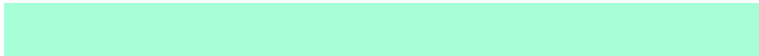
110.0062, 91.3772, 79.2966

Rectangle

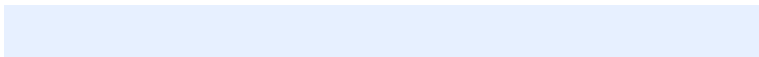
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.4783, 91.3772, 50.0078



67.2955, 91.3772, 78.5117



94.6667, 91.3772, 174.0475



109.8700, 91.3772, 123.9170

Sweetspot

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



79.4806, 91.3813, 50.0097



90.6559, 98.1780, 88.6675



61.3625, 52.5030, 43.4604



19.2811, 20.9630, 18.4177



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

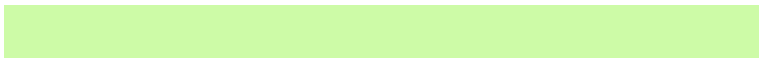
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4806, 91.3813, 50.0097



80.5487, 93.9452, 44.0249



66.5973, 84.7397, 49.4068



18.6192, 20.1350, 18.3675



36.3684, 45.6669, 6.8978



3.3985, 4.2451, 0.6403

Inverse Universe

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



48.2479, 43.3754, 97.1014



43.7549, 37.3814, 99.5169



58.7327, 48.7805, 97.5921



16.3787, 16.6924, 21.7440



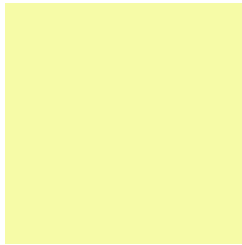
9.2940, 3.7339, 48.2044



0.8934, 0.3626, 4.4661

Previews

White Background



This preview shows how the XYZ color 79.4783, 91.3772, 50.0078 looks on a white background.

Color Contrast Check

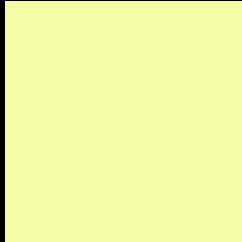
Large Text (above 18pt) WCAG AA × Fail

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 79.4783, 91.3772, 50.0078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

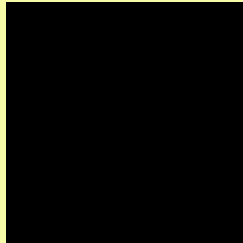
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.4783, 91.3772, 50.0078

Background



This preview shows how black text looks on a background with the XYZ color 79.4783, 91.3772, 50.0078.

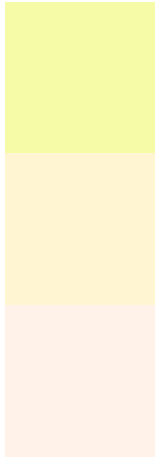


This preview shows how white text looks on a background with the XYZ color 79.4783, 91.3772,

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

79.4783, 91.3772, 50.0078

Protanopia

85.6503, 91.2680, 74.7302

Deuteranopia

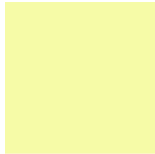
87.9986, 91.2444, 90.0647



Tritanopia

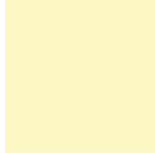
90.3783, 91.2014, 107.4479

Trichromacy



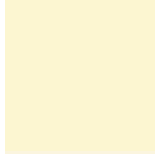
Original Color

79.4783, 91.3772, 50.0078



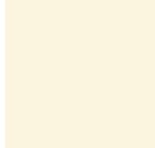
Protanomaly

83.2560, 91.1571, 64.8368



Deuteranomaly

84.6093, 91.2104, 73.4676



Tritanomaly

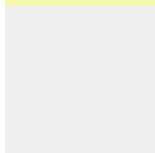
85.7554, 91.1418, 82.8844

Monochromacy



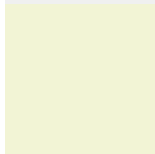
Original Color

79.4783, 91.3772, 50.0078



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.9789, 88.3827, 75.7423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.4783, 91.3772, 50.0078 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(246, 251, 167)` looks like.

```
.text, #text, p{  
    color:rgb(246, 251, 167)  
}
```

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(246, 251, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 251, 167) }
```

Border

The CSS property to change the border of an element to XYZ 79.4783, 91.3772, 50.0078 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(246, 251, 167) }
```


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

```
.border{ border-color:rgb(246, 251, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 251, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 251, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 251, 167);  
box-shadow:4px 4px 4px 4px rgb(246, 251,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 79.4783, 91.3772, 50.0078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 251, 167) }
```

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

```
.background{ background-color: rgb(246,  
251, 167) }
```

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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