

Converting Colors

XYZ(82.7726, 91.3920, 40.8217)

Have a look what the booklet for
XYZ(82.7726, 91.3920, 40.8217)
contains.

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Color

**XYZ(79.7672, 89.8881,
40.7497)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF793
RGB	255, 247, 147
RGB Percent	100%, 97%, 58%
CMY	0.0000, 0.0313, 0.4235
CMYK	0.00, 0.03, 0.42, 0.00
HSL	56°, 100%, 79%
HSV	56°, 42%, 100%
XYZ	79.7672, 89.8881, 40.7497
YIQ	237.9920, 36.8680, -29.4040

Conversions

Conversions Part 2

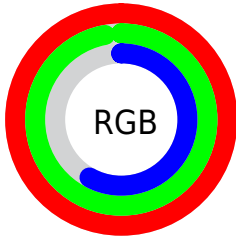
Format	Color
R _Y B	156, 255, 147
Decimal	16775059
CIE Lab	95.95, -10.92, 48.89
CIE LCh	96, 50.093, 102.588
Yxy	89.8881, 0.3791, 0.4272
Android (android.graphics.Color)	4294965139 (0xFFFFFFFF793)
YUV	237.9920, -44.8591, 14.9160
Hunter-Lab	94.8093, -15.7366, 40.8833

Details

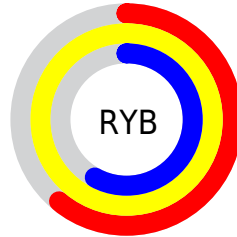
The XYZ color **79.7672, 89.8881, 40.7497** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.8038, 36.8646, 99.5198**, and the grayscale version is **81.5802, 85.8287, 93.4675**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **43.6771, 49.9401, 17.9270** is the 20% darker color. If you saturate the color by 10%, you get **77.4106, 88.0298, 31.1627**, and if you desaturate by 10%, it is **82.5776, 91.9437, 52.6780**.

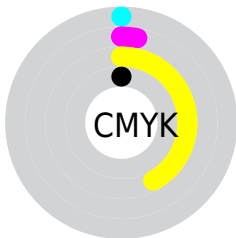
Distribution



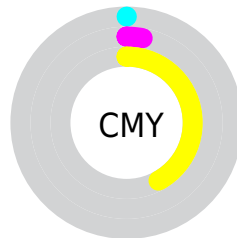
- Red (100%)
- Green (97%)
- Blue (58%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.7672, 89.8881, 40.7497 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 79.7672, 89.8881, 40.7497 by changing the saturation by 10% instead.


 79.7672, 89.8881,
40.7497


 79.7672, 89.8881,
40.7497


482.8964,
527.6668, 364.9190

 59.8346, 67.8878,
27.8053


 131.9906,
147.1830, 77.5533

 43.5343, 49.8065,
17.9412


 165.0122,
183.2463, 102.2497

 30.5009, 35.2597,
10.7388


203.1274,
224.7662, 131.7004

 20.3690, 23.8630,
5.7795

246.7017,
272.1270, 166.3241

 12.7734, 15.2320,
2.6449

296.1004,
325.7130, 206.5392

 7.3486, 8.9824,
0.9155

351.6888,

 3.7293, 4.7297,

385.9087, 252.7644

0.0000

413.8324,
453.0985, 305.4182

■ 1.5502, 2.0895,
0.0000

■ 0.3596, 0.6587,
0.0000

■ 79.7672, 89.8881,
40.7497

■ 79.7672, 89.8881,
40.7497

■ 77.4106, 88.0298,
31.1627

■ 82.5776, 91.9437,
52.6780

■ 75.4714, 86.3447,
23.7554

■ 85.8622, 94.1951,
67.0838

■ 73.9188, 84.8234,
18.3545

■ 89.6479, 96.6563,
84.0995

■ 72.7142, 83.4506,
14.7580

■ 93.9577, 99.3367,
103.8466

■ 71.8113, 82.2077, 95.0499, 100.0000,
12.7217 108.9000

■ 71.2718, 81.3238,
11.9406

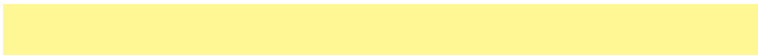
Harmonies

Analogous

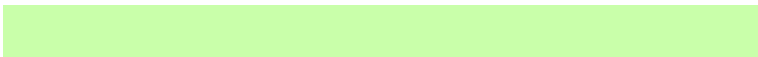
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6476, 89.8881, 41.6822



79.7672, 89.8881, 40.7497



68.6654, 89.8881, 51.8075

Triad

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



79.7672, 89.8881, 40.7497



67.3057, 89.8881, 159.0273



113.4219, 89.8881, 122.4915

Complementary

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



79.7672, 89.8881, 40.7497



41.8038, 36.8646, 99.5198

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.



104.7364, 89.8881, 165.3772



79.7672, 89.8881, 40.7497



77.7189, 89.8881, 190.0744

Square

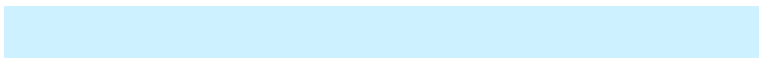
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7672, 89.8881, 40.7497



62.0103, 89.8881, 115.4377



91.3671, 89.8881, 192.6696



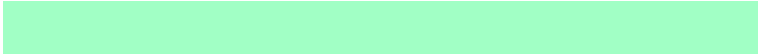
114.1234, 89.8881, 82.1868

Rectangle

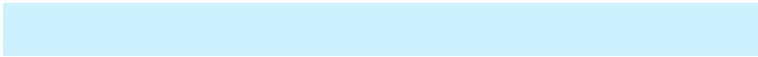
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7672, 89.8881, 40.7497



63.9258, 89.8881, 66.8159



91.3671, 89.8881, 192.6696



111.2994, 89.8881, 137.3129

Sweetspot

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



79.7694, 89.8922, 40.7516



89.3870, 96.4904, 82.9152



57.6750, 44.5287, 37.0087



18.9458, 20.5333, 16.9023



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

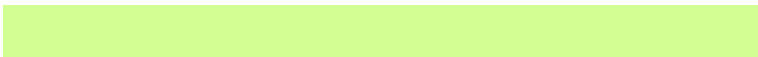
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7694, 89.8922, 40.7516



77.7044, 88.2711, 32.3279



67.6053, 87.3283, 40.8978



19.4394, 20.8470, 19.1436



37.2897, 42.5907, 6.2554



3.6637, 4.2128, 0.6201

Inverse Universe

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



41.8038, 36.8646, 99.5198



35.1050, 28.7859, 98.3137



50.2227, 39.2950, 99.5452



17.1110, 17.5936, 22.7440



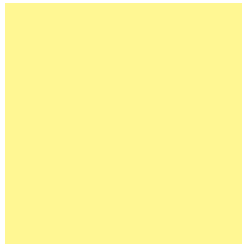
9.5906, 4.0909, 49.7187



0.9695, 0.4698, 4.8528

Previews

White Background



This preview shows how the XYZ color 79.7672, 89.8881, 40.7497 looks on a white background.

Color Contrast Check

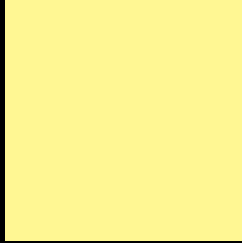
Large Text (above 18pt) WCAG AA × Fail

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 79.7672, 89.8881, 40.7497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

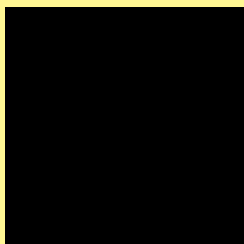
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.7672, 89.8881, 40.7497

Background



This preview shows how black text looks on a background with the XYZ color 79.7672, 89.8881, 40.7497.

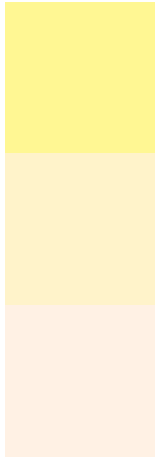


This preview shows how white text looks on a background with the XYZ color 79.7672, 89.8881,

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

79.7672, 89.8881, 40.7497

Protanopia

83.9513, 89.6255, 68.7519

Deuteranopia

86.6989, 89.7720, 86.1570



Tritanopia

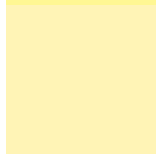
89.0498, 89.7703, 101.4409

Trichromacy



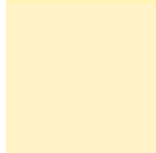
Original Color

79.7672, 89.8881, 40.7497



Protanomaly

82.0342, 89.3388, 57.1764



Deuteranomaly

83.5994, 89.4847, 66.8989



Tritanomaly

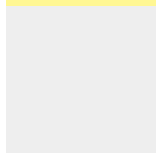
84.7500, 89.4674, 74.4301

Monochromacy



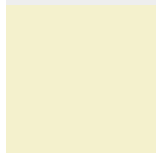
Original Color

79.7672, 89.8881, 40.7497



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.7830, 86.5515, 70.2587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7672, 89.8881, 40.7497 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, 247, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 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(255, 247, 147) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 79.7672, 89.8881, 40.7497 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, 247, 147) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 79.7672, 89.8881, 40.7497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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