

Converting Colors

XYZ(79.9982, 90.9644, 38.9327)

Have a look what the booklet for
XYZ(79.9982, 90.9644, 38.9327)
contains.

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Color

**XYZ(79.9982, 90.9644,
38.9327)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF98E
RGB	255, 249, 142
RGB Percent	100%, 98%, 56%
CMY	0.0000, 0.0235, 0.4431
CMYK	0.00, 0.02, 0.44, 0.00
HSL	57°, 100%, 78%
HSV	57°, 44%, 100%
XYZ	79.9982, 90.9644, 38.9327
YIQ	238.5960, 37.9230, -32.0050

Conversions

Conversions Part 2

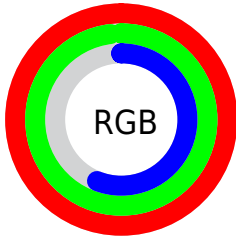
Format	Color
RYB	148, 255, 142
Decimal	16775566
CIELab	96.40, -12.38, 51.83
CIELCh	96, 53.289, 103.435
Yxy	90.9644, 0.3811, 0.4334
Android (android.graphics.Color)	4294965646 (0xFFFFF98E)
YUV	238.5960, -47.6218, 14.3863
Hunter-Lab	95.3753, -17.1857, 42.5602

Details

The XYZ color **79.9982, 90.9644, 38.9327** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.7951, 34.1496, 99.1017**, and the grayscale version is **82.0697, 86.3438, 94.0284**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **43.6381, 50.5970, 16.9174** is the 20% darker color. If you saturate the color by 10%, you get **77.8829, 89.4551, 29.8385**, and if you desaturate by 10%, it is **82.5589, 92.6633, 50.3380**.

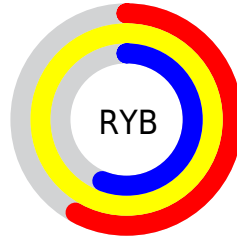
Distribution



Red (100%)

Green (98%)

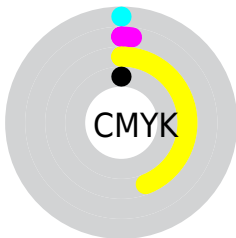
Blue (56%)



Red (58%)

Yellow (100%)

Blue (56%)

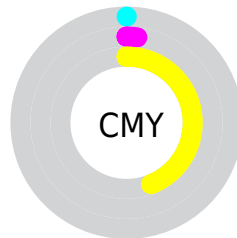


Cyan (0%)

Magenta (2%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9982, 90.9644, 38.9327 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 79.9982, 90.9644, 38.9327 by changing the saturation by 10% instead.

79.9982, 90.9644,
38.9327

79.9982, 90.9644,
38.9327

483.6634,
531.1630, 357.0217

60.0253, 68.7808,
26.3999

132.3137,
148.6773, 74.7547

43.6886, 50.5332,
16.8946

165.3871,
184.9753, 98.8810

30.6226, 35.8373,
9.9982

203.5581,
226.7470, 127.7090

20.4621, 24.3085,
5.2922

247.1919,
274.3766, 161.6571

12.8416, 15.5626,
2.3580

296.6540,
328.2486, 201.1438

7.3958, 9.2152,
0.7634

352.3097,

3.7594, 4.8818,

388.7475, 246.5878

0.0000

414.5244,
456.2575, 298.4076

■ 1.5669, 2.1781,
0.0000

■ 0.3707, 0.7080,
0.0000

■ 79.9982, 90.9644,
38.9327

■ 79.9982, 90.9644,
38.9327

■ 77.8829, 89.4551,
29.8385

■ 82.5589, 92.6633,
50.3380

■ 76.1760, 88.1106,
22.8904

■ 85.5858, 94.5502,
64.1930

■ 74.8458, 86.9216,
17.9105

■ 89.1063, 96.6393,
80.6321

■ 73.8525, 85.8722,
14.6903

■ 93.1437, 98.9401,
99.7784

■ 73.1476, 84.9429, 95.0499, 100.0000,
12.9739 108.9000

■ 72.8361, 84.4523,
12.4620

Harmonies

Analogous

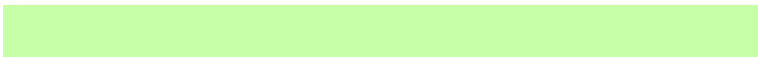
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8510, 90.9644, 39.5560



79.9982, 90.9644, 38.9327



68.2894, 90.9644, 50.7704

Triad

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



79.9982, 90.9644, 38.9327



67.3520, 90.9644, 166.5126



116.7898, 90.9644, 124.2150

Complementary

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



79.9982, 90.9644, 38.9327



39.7951, 34.1496, 99.1017

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.



107.5953, 90.9644, 171.0156



79.9982, 90.9644, 38.9327



78.5771, 90.9644, 199.8193

Square

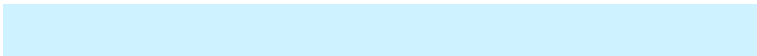
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9982, 90.9644, 38.9327



61.5721, 90.9644, 119.2676



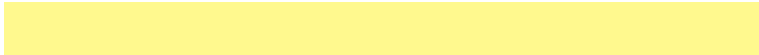
93.2585, 90.9644, 201.6697



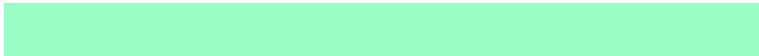
117.2835, 90.9644, 81.2478

Rectangle

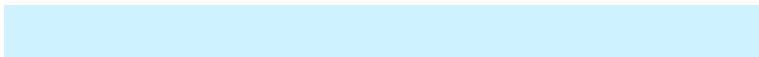
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9982, 90.9644, 38.9327



63.3688, 90.9644, 66.8126



93.2585, 90.9644, 201.6697



114.5703, 90.9644, 140.2648

Sweetspot

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



80.0004, 90.9686, 38.9346



89.6064, 96.9292, 82.9883



56.3811, 42.7940, 33.9472



19.0006, 20.6430, 16.9206



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.



80.0004, 90.9686, 38.9346



78.1368, 89.6439, 30.9064



66.1058, 86.5997, 38.8236



19.4738, 20.9158, 19.1551



38.0943, 44.1999, 6.5236



3.7334, 4.3521, 0.6433

Inverse Universe

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



39.7951, 34.1496, 99.1017



33.3666, 26.3858, 97.9421



49.2013, 37.6391, 99.2795



17.0803, 17.5322, 22.7338



9.5416, 3.9928, 49.7024



0.9550, 0.4407, 4.8480

Previews

White Background



This preview shows how the XYZ color 79.9982, 90.9644, 38.9327 looks on a white background.

Color Contrast Check

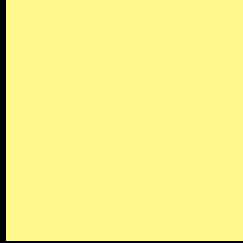
Large Text (above 18pt) WCAG AA × Fail

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 79.9982, 90.9644, 38.9327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

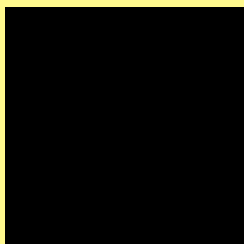
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.9982, 90.9644, 38.9327

Background



This preview shows how black text looks on a background with the XYZ color 79.9982, 90.9644, 38.9327.

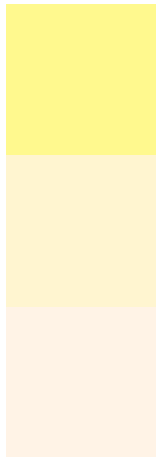


This preview shows how white text looks on a background with the XYZ color 79.9982, 90.9644,

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

79.9982, 90.9644, 38.9327

Protanopia

85.2776, 91.1189, 72.7676

Deuteranopia

87.5735, 91.0744, 87.8264



Tritanopia

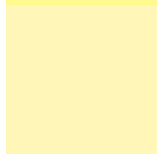
89.7942, 91.0101, 102.4566

Trichromacy



Original Color

79.9982, 90.9644, 38.9327



Protanomaly

82.8475, 90.6322, 58.4746



Deuteranomaly

84.0855, 90.6420, 66.4900



Tritanomaly

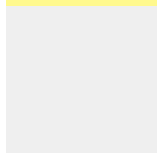
85.2235, 90.6145, 73.9714

Monochromacy



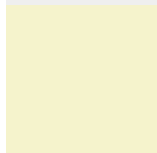
Original Color

79.9982, 90.9644, 38.9327



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.6059, 87.8733, 69.8396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9982, 90.9644, 38.9327 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 142) }
```

Border

The CSS property to change the border of an element to XYZ 79.9982, 90.9644, 38.9327 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, 142) }
```


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

```
.border{ border-color:rgb(255, 249, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9982, 90.9644, 38.9327 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, 142) }
```

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

```
.background{ background-color: rgb(255,  
249, 142) }
```

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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