

Converting Colors

XYZ(98.2834, 100.0000,
40.1174)

Have a look what the booklet for
XYZ(98.2834, 100.0000, 40.1174)
contains.

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Color

**XYZ(79.7653, 90.3780,
39.2272)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF88F
RGB	255, 248, 143
RGB Percent	100%, 97%, 56%
CMY	0.0000, 0.0274, 0.4392
CMYK	0.00, 0.03, 0.44, 0.00
HSL	56°, 100%, 78%
HSV	56°, 44%, 100%
XYZ	79.7653, 90.3780, 39.2272
YIQ	238.1230, 37.8770, -31.1710

Conversions

Conversions Part 2

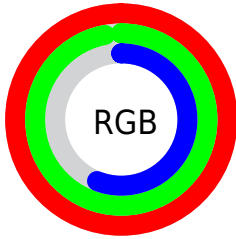
Format	Color
R_{YB}	150, 255, 143
Decimal	16775311
CIE _{Lab}	96.15, -11.80, 51.06
CIE _{LCh}	96, 52.402, 103.010
Yxy	90.3780, 0.3810, 0.4317
Android (android.graphics.Color)	4294965391 (0xFFFFF88F)
YUV	238.1230, -46.8956, 14.8011
Hunter-Lab	95.0673, -16.5992, 42.0826

Details

The XYZ color **79.7653, 90.3780, 39.2272** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.2838, 34.8712, 99.2151**, and the grayscale version is **81.6966, 85.9512, 93.6008**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **43.4601, 50.1732, 17.0667** is the 20% darker color. If you saturate the color by 10%, you get **77.5624, 88.7202, 30.0218**, and if you desaturate by 10%, it is **82.4158, 92.2281, 50.7499**.

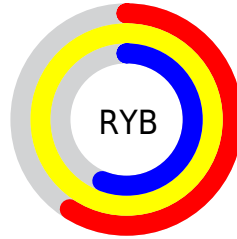
Distribution



Red (100%)

Green (97%)

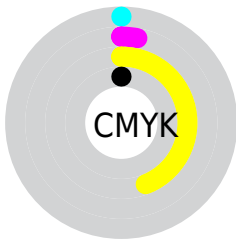
Blue (56%)



Red (59%)

Yellow (100%)

Blue (56%)

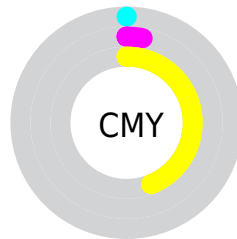


Cyan (0%)

Magenta (3%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.7653, 90.3780, 39.2272 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 79.7653, 90.3780, 39.2272 by changing the saturation by 10% instead.


 79.7653, 90.3780,
39.2272


 79.7653, 90.3780,
39.2272


482.8901,
529.2597, 358.3102

 59.8330, 68.2942,
26.6273


 131.9880,
147.8633, 75.2094

 43.5330, 50.1371,
17.0636


 165.0091,
184.0337, 99.4289

 30.4999, 35.5224,
10.1174


203.1239,
225.6683, 128.3586

 20.3683, 24.0655,
5.3702

246.6976,
273.1516, 162.4171

 12.7728, 15.3822,
2.4036

296.0958,
326.8680, 202.0230

 7.3482, 9.0881,
0.7884

351.6837,

 3.7291, 4.7987,

387.2019, 247.5948

0.0000

413.8267,
454.5377, 299.5510

■ 1.5500, 2.1296,
0.0000

■ 0.3595, 0.6812,
0.0000

■ 79.7653, 90.3780,
39.2272

■ 79.7653, 90.3780,
39.2272

■ 77.5624, 88.7202,
30.0218

■ 82.4158, 92.2281,
50.7499

■ 75.7705, 87.2301,
22.9695

■ 85.5347, 94.2689,
64.7282

■ 74.3577, 85.8983,
17.8933

■ 89.1493, 96.5147,
81.2960

■ 73.2847, 84.7091,
14.5861

■ 93.2828, 98.9748,
100.5760

■ 72.5033, 83.6431, 95.0499, 99.9999,
12.7944 108.9000

■ 72.1292, 83.0386,
12.2264

Harmonies

Analogous

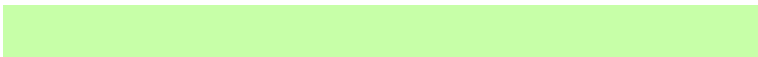
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3257, 90.3780, 40.0114



79.7653, 90.3780, 39.2272



68.2210, 90.3780, 50.7321

Triad

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



79.7653, 90.3780, 39.2272



67.0510, 90.3780, 163.6870



115.4822, 90.3780, 123.6841

Complementary

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



79.7653, 90.3780, 39.2272



40.2838, 34.8712, 99.2151

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.



106.4000, 90.3780, 169.2659



79.7653, 90.3780, 39.2272



77.9946, 90.3780, 196.4593

Square

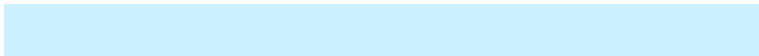
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7653, 90.3780, 39.2272



61.4573, 90.3780, 117.5370



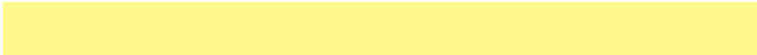
92.3448, 90.3780, 198.7486



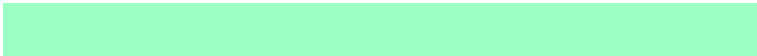
116.0950, 90.3780, 81.4729

Rectangle

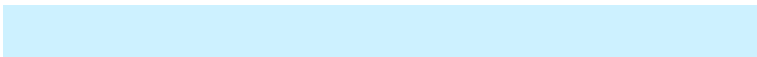
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7653, 90.3780, 39.2272



63.3365, 90.3780, 66.3802



92.3448, 90.3780, 198.7486



113.2754, 90.3780, 139.3635

Sweetspot

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



79.7675, 90.3822, 39.2291



89.5080, 96.7324, 82.9555



56.6057, 43.1229, 34.3928



18.9760, 20.5938, 16.9124



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

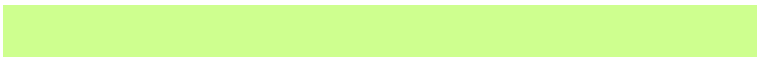
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7675, 90.3822, 39.2291



77.7479, 88.8660, 30.7767



66.3017, 86.6919, 39.2265



19.4584, 20.8849, 19.1500



37.7308, 43.4729, 6.4025



3.7019, 4.2893, 0.6328

Inverse Universe

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



40.2838, 34.8712, 99.2151



33.5318, 26.7161, 97.9971



49.4935, 38.0116, 99.3358



17.0940, 17.5597, 22.7384



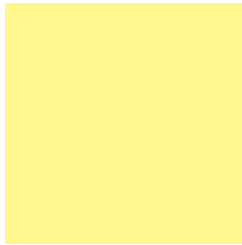
9.5623, 4.0341, 49.7093



0.9615, 0.4537, 4.8502

Previews

White Background



This preview shows how the XYZ color 79.7653, 90.3780, 39.2272 looks on a white background.

Color Contrast Check

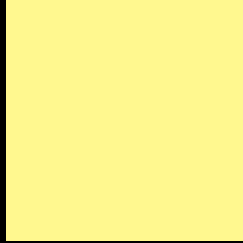
Large Text (above 18pt) WCAG AA × Fail

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 79.7653, 90.3780, 39.2272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

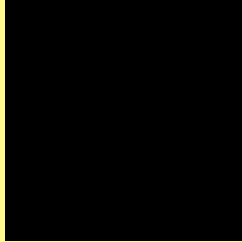
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.7653, 90.3780, 39.2272

Background



This preview shows how black text looks on a background with the XYZ color 79.7653, 90.3780, 39.2272.

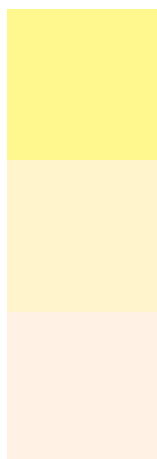


This preview shows how white text looks on a background with the XYZ color 79.7653, 90.3780,

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

79.7653, 90.3780, 39.2272

Protanopia

84.4898, 90.3210, 70.1073

Deuteranopia

87.1350, 90.4214, 86.9893



Tritanopia

89.3434, 90.3575, 101.5388

Trichromacy



Original Color

79.7653, 90.3780, 39.2272



Protanomaly

82.3359, 89.9422, 57.2770



Deuteranomaly

83.7837, 90.0386, 66.3894



Tritanomaly

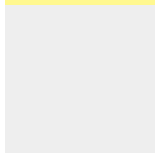
84.9235, 90.0143, 73.8713

Monochromacy



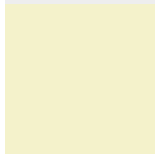
Original Color

79.7653, 90.3780, 39.2272



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.8398, 87.0492, 69.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7653, 90.3780, 39.2272 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, 248, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 143)  
}
```

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, 248, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 143) }
```

Border

The CSS property to change the border of an element to XYZ 79.7653, 90.3780, 39.2272 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, 248, 143) }
```


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

```
.border{ border-color:rgb(255, 248, 143) }
```

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

Here you see how a box with a 4 pixel rgb(255, 248, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7653, 90.3780, 39.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 143) }
```

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

```
.background{ background-color: rgb(255,  
248, 143) }
```

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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