

Converting Colors

XYZ(79.7894, 93.7716, 34.1459)

Have a look what the booklet for
XYZ(79.7894, 93.7716, 34.1459)
contains.

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Color

**XYZ(79.8012, 93.7740,
34.3163)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFF80
RGB	252, 255, 128
RGB Percent	99%, 100%, 50%
CMY	0.0118, 0.0000, 0.4980
CMYK	0.01, 0.00, 0.50, 0.00
HSL	61°, 100%, 75%
HSV	61°, 50%, 100%
XYZ	79.8012, 93.7740, 34.3163
YIQ	239.6250, 38.9790, -40.1330

Conversions

Conversions Part 2

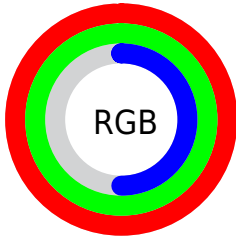
Format	Color
R_{YB}	128, 255, 131
Decimal	16580480
CIE _{Lab}	97.54, -17.71, 59.65
CIE _{LCh}	98, 62.227, 106.532
Yxy	93.7740, 0.3839, 0.4511
Android (android.graphics.Color)	4294770560 (0xFFFCFF80)
YUV	239.6250, -55.0311, 10.8529
Hunter-Lab	96.8370, -22.3668, 46.7752

Details

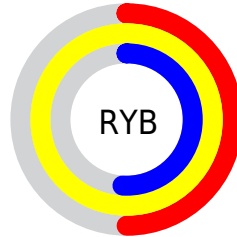
The XYZ color **79.8012, 93.7740, 34.3163** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **35.1303, 27.4849, 98.0613**, and the grayscale version is **82.9254, 87.2440, 95.0087**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **43.4224, 52.2200, 14.2694** is the 20% darker color. If you saturate the color by 10%, you get **78.1103, 93.0724, 26.5496**, and if you desaturate by 10%, it is **81.9148, 94.6446, 44.3064**.

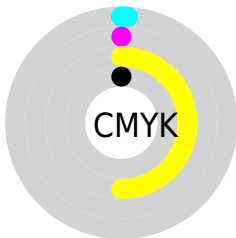
Distribution



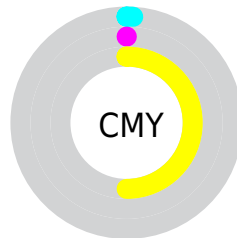
- Red (99%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (51%)



- Cyan (1%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)



- Cyan (1%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8012, 93.7740, 34.3163 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 79.8012, 93.7740, 34.3163 by changing the saturation by 10% instead.

79.8012, 93.7740,
34.3163

79.8012, 93.7740,
34.3163

483.0094,
540.2326, 336.3522

59.8627, 71.1150,
22.8574

132.0382,
152.5697, 67.5647

43.5570, 52.4360,
14.2839

165.0674,
189.4753, 90.1913

30.5188, 37.3528,
8.1774

203.1908,
231.8984, 117.3776

20.3827, 25.4807,
4.1193

246.7739,
280.2236, 149.5420

12.7834, 16.4356,
1.6910

296.1819,
334.8353, 187.1031

7.3556, 9.8329,
0.3546

351.7802,

3.7337, 5.2883,

396.1177, 230.4795

0.0000

413.9343,
464.4553, 280.0897

■ 1.5526, 2.4174,
0.0000

■ 0.3612, 0.8348,
0.0000

■ 79.8012, 93.7740,
34.3163

■ 79.8012, 93.7740,
34.3163

■ 78.1103, 93.0724,
26.5496

■ 81.9148, 94.6446,
44.3064

■ 76.8095, 92.5270,
20.8331

■ 84.4796, 95.6959,
56.6683

■ 75.8620, 92.1230,
16.9737

■ 87.5221, 96.9383,
71.5420

■ 75.2240, 91.8429,
14.7402

■ 91.0665, 98.3815,
89.0554

■ 74.8252, 91.6585, 95.0500, 100.0000,
13.7626 108.9000

■ 74.8182, 91.6553,
13.7479

Harmonies

Analogous

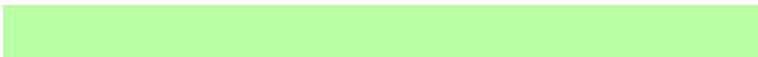
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.2846, 93.7740, 33.6692



79.8012, 93.7740, 34.3163



66.6620, 93.7740, 48.6999

Triad

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



79.8012, 93.7740, 34.3163



67.7266, 93.7740, 190.3248



126.4492, 93.7740, 126.5021

Complementary

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



79.8012, 93.7740, 34.3163



35.1303, 27.4849, 98.0613

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.



116.1505, 93.7740, 184.8045



79.8012, 93.7740, 34.3163



81.4431, 93.7740, 229.0816

Square

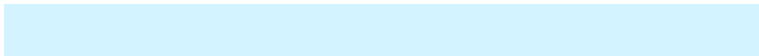
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8012, 93.7740, 34.3163



60.3481, 93.7740, 132.3909



99.1575, 93.7740, 226.7806



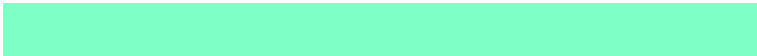
125.8562, 93.7740, 76.8288

Rectangle

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



79.8012, 93.7740, 34.3163



61.4395, 93.7740, 68.0295



99.1575, 93.7740, 226.7806



124.0937, 93.7740, 145.9957

Sweetspot

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



79.8013, 93.7740, 34.3175



89.1602, 97.6058, 79.6158



53.1351, 38.8159, 25.1150



18.9270, 20.8277, 16.2662



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

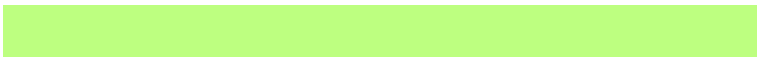
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8013, 93.7740, 34.3175



78.0809, 93.0602, 26.4175



60.7385, 83.9468, 33.4254



19.5163, 21.0676, 19.1822



39.1133, 47.9017, 7.1845



3.8213, 4.6707, 0.7001

Inverse Universe

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



35.1303, 27.4849, 98.0613



28.6995, 19.7634, 96.9098



47.9200, 34.0782, 98.6598



17.0427, 17.3982, 22.7099



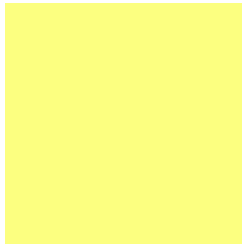
9.4881, 3.8018, 49.6683



0.9372, 0.3770, 4.8367

Previews

White Background



This preview shows how the XYZ color 79.8012, 93.7740, 34.3163 looks on a white background.

Color Contrast Check

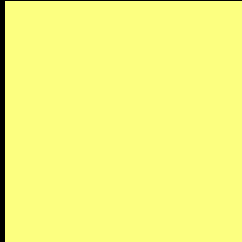
Large Text (above 18pt) WCAG AA × Fail

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 79.8012, 93.7740, 34.3163 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 79.8012, 93.7740, 34.3163

Background



This preview shows how black text looks on a background with the XYZ color 79.8012, 93.7740, 34.3163.



This preview shows how white text looks on a background with the XYZ color 79.8012, 93.7740,

Color Blindness Simulation

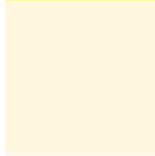
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



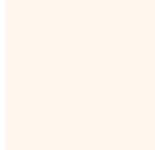
Original Color

79.8012, 93.7740, 34.3163



Protanopia

88.1267, 93.7225, 83.2575



Deuteranopia

89.6284, 93.3446, 94.1823



Tritanopia

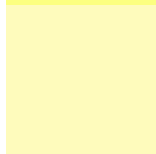
91.4631, 93.5931, 105.3401

Trichromacy



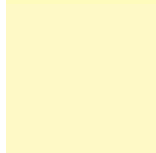
Original Color

79.8012, 93.7740, 34.3163



Protanomaly

84.4473, 93.6960, 61.2112



Deuteranomaly

84.9418, 92.8994, 66.8805



Tritanomaly

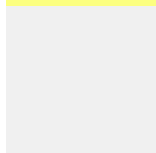
86.0112, 93.3272, 72.5122

Monochromacy



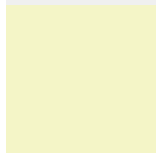
Original Color

79.8012, 93.7740, 34.3163



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.2694, 88.6614, 66.9155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.8012, 93.7740, 34.3163 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(252, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 128)  
}
```

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(252, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 79.8012, 93.7740, 34.3163 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(252, 255, 128) }
```


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

```
.border{ border-color:rgb(252, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8012, 93.7740, 34.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 128) }
```

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

```
.background{ background-color: rgb(252,  
255, 128) }
```

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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