

Converting Colors

XYZ(53.4489, 80.0043, 41.4228)

Have a look what the booklet for
XYZ(53.4489, 80.0043, 41.4228)
contains.

XYZ(53.4778, 80.0179, 41.4806)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.4778, 80.0179,
41.4806)**

Conversions

Conversions Part 1

Format	Color
Hex	94FF96
RGB	148, 255, 150
RGB Percent	58%, 100%, 59%
CMY	0.4196, 0.0000, 0.4118
CMYK	0.42, 0.00, 0.41, 0.00
HSL	121°, 100%, 79%
HSV	121°, 42%, 100%
XYZ	53.4778, 80.0179, 41.4806
YIQ	211.0370, -30.0670, -55.3390

Conversions

Conversions Part 2

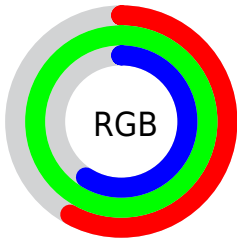
Format	Color
RYB	148, 253, 255
Decimal	9764758
CIELab	91.69, -51.42, 40.69
CIELCh	92, 65.571, 141.642
Yxy	80.0179, 0.3056, 0.4573
Android (android.graphics.Color)	4287954838 (0xFF94FF96)
YUV	211.0370, -30.0912, -55.2834
Hunter-Lab	89.4527, -49.8291, 35.1232

Details

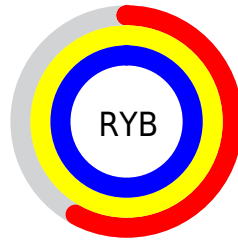
The XYZ color **53.4778, 80.0179, 41.4806** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.5595, 49.5320, 98.8216**, and the grayscale version is **62.1480, 65.3845, 71.2037**.

A 20% lighter version of the original color is **72.2330, 89.0496, 71.1388**, and **26.3404, 42.9692, 18.2149** is the 20% darker color. If you saturate the color by 10%, you get **47.5576, 77.1744, 31.7849**, and if you desaturate by 10%, it is **60.8451, 83.5577, 53.4922**.

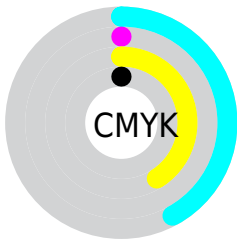
Distribution



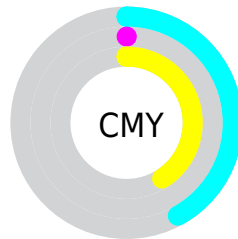
- Red (58%)
- Green (100%)
- Blue (59%)



- Red (58%)
- Yellow (99%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4778, 80.0179, 41.4806 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 53.4778, 80.0179, 41.4806 by changing the saturation by 10% instead.


 53.4778, 80.0179,
41.4806


 53.4778, 80.0179,
41.4806


390.3465,
494.9932, 368.0612

 38.4133, 59.7331,
28.3723


 94.4685, 133.3909,
78.6745

 26.4823, 43.2035,
18.3650


 121.1254,
167.2479, 103.5972

 17.3194, 30.0448,
11.0402


152.3772,
206.3977, 133.2950

 10.5592, 19.8726,
5.9794

188.5892,
251.2247, 168.1866

 5.8363, 12.3025,
2.7640

230.1268,
302.1134, 208.6905

 2.7855, 6.9500,
0.9754

277.3553,

 1.0414, 3.4309,

359.4481, 255.2252

0.0000

330.6400,
423.6132, 308.2093

0.0000, 1.3606,
0.0000

0.0000, 0.1874,
0.0000

53.4778, 80.0179,
41.4806

53.4778, 80.0179,
41.4806

47.5576, 77.1744,
31.7849

60.8451, 83.5577,
53.4922

42.9881, 74.9807,
24.2527

69.7446, 87.8347,
67.9514

39.6632, 73.3857,
18.7192

80.2565, 92.8877,
84.9847

37.4606, 72.3304,
14.9944

92.4550, 98.7523,
104.7087

■ 36.2331, 71.7437, 95.0500, 100.0000,
12.8516 108.9000

■ 35.7861, 71.5305,
12.0576

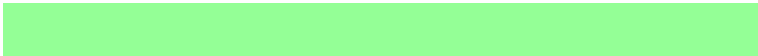
Harmonies

Analogous

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



64.7767, 80.0179, 26.4101



53.4778, 80.0179, 41.4806



48.4160, 80.0179, 74.3852

Triad

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



53.4778, 80.0179, 41.4806



71.4651, 80.0179, 214.0730



110.1181, 80.0179, 57.3253

Complementary

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



53.4778, 80.0179, 41.4806



69.5595, 49.5320, 98.8216

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.



112.6062, 80.0179, 101.2441



53.4778, 80.0179, 41.4806



88.5709, 80.0179, 204.1674

Square

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



53.4778, 80.0179, 41.4806



57.7556, 80.0179, 181.3984



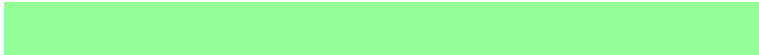
104.2302, 80.0179, 157.8781



97.8603, 80.0179, 32.9393

Rectangle

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



53.4778, 80.0179, 41.4806



48.6537, 80.0179, 107.1106



104.2302, 80.0179, 157.8781



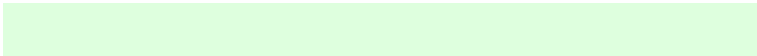
112.1901, 80.0179, 69.7957

Sweetspot

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



53.4782, 80.0181, 41.4819



79.0862, 92.3251, 83.0903



81.6924, 94.5815, 41.9679



16.4088, 19.5119, 16.9445



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

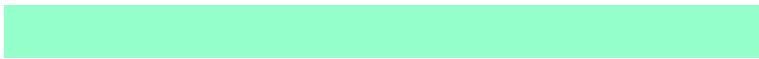
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.4782, 80.0181, 41.4819



48.6086, 77.6791, 33.5103



58.7864, 82.1414, 69.4340



17.7854, 20.1737, 19.1727



18.7050, 37.3786, 6.3317



1.8259, 3.6413, 0.6408

Inverse Universe

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



69.5595, 49.5320, 98.8216



66.5624, 43.6355, 97.5214



62.2224, 46.5972, 60.1852



18.7772, 18.2942, 22.7096



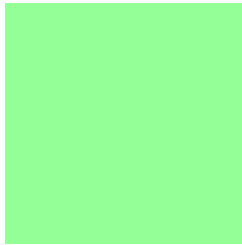
30.5906, 14.7255, 48.6219



2.9830, 1.4356, 4.7579

Previews

White Background



This preview shows how the XYZ color 53.4778, 80.0179, 41.4806 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 53.4778, 80.0179, 41.4806 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

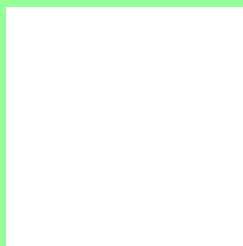
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.4778, 80.0179, 41.4806

Background



This preview shows how black text looks on a background with the XYZ color 53.4778, 80.0179, 41.4806.

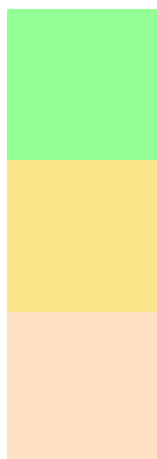


This preview shows how white text looks on a background with the XYZ color 53.4778, 80.0179,

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

53.4778, 80.0179, 41.4806

Protanopia

72.8141, 78.9963, 36.2210

Deuteranopia

78.0155, 79.0506, 62.7762



Tritanopia

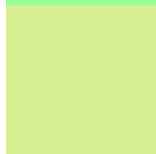
68.9241, 79.2673, 106.2752

Trichromacy



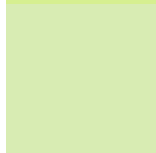
Original Color

53.4778, 80.0179, 41.4806



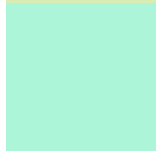
Protanomaly

63.6321, 78.0428, 38.0955



Deuteranomaly

66.4510, 77.8445, 54.1710



Tritanomaly

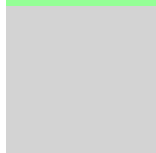
62.1901, 79.0852, 77.6329

Monochromacy



Original Color

53.4778, 80.0179, 41.4806



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.3934, 69.3037, 58.4961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4778, 80.0179, 41.4806 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(148, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 150)  
}
```

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(148, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 53.4778, 80.0179, 41.4806 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(148, 255, 150) }
```


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

```
.border{ border-color:rgb(148, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4778, 80.0179, 41.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 150) }
```

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

```
.background{ background-color: rgb(148,  
255, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor