

Converting Colors

XYZ(76.0891, 124.8624,
53.0308)

Have a look what the booklet for
XYZ(76.0891, 124.8624, 53.0308)
contains.

XYZ(53.6951, 80.0429, 45.4207)	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(53.6951, 80.0429,
45.4207)**

Conversions

Conversions Part 1

Format	Color
Hex	91FF9F
RGB	145, 255, 159
RGB Percent	57%, 100%, 62%
CMY	0.4314, 0.0000, 0.3765
CMYK	0.43, 0.00, 0.38, 0.00
HSL	128°, 100%, 78%
HSV	128°, 43%, 100%
XYZ	53.6951, 80.0429, 45.4207
YIQ	211.1660, -34.7440, -53.1760

Conversions

Conversions Part 2

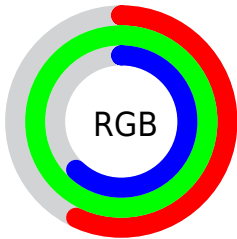
Format	Color
RYB	145, 243, 255
Decimal	9568159
CIELab	91.70, -50.91, 36.26
CIELCh	92, 62.500, 144.539
Yxy	80.0429, 0.2997, 0.4468
Android (android.graphics.Color)	4287758239 (0xFF91FF9F)
YUV	211.1660, -25.7178, -58.0276
Hunter-Lab	89.4667, -49.4366, 32.5262

Details

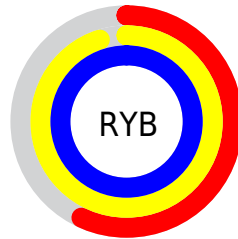
The XYZ color **53.6951, 80.0429, 45.4207** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.2427, 47.8622, 88.9125**, and the grayscale version is **62.2076, 65.4473, 71.2721**.

A 20% lighter version of the original color is **72.5262, 89.0715, 76.9883**, and **26.4983, 42.9993, 20.5388** is the 20% darker color. If you saturate the color by 10%, you get **47.9341, 77.2765, 35.9619**, and if you desaturate by 10%, it is **60.8132, 83.4688, 56.7604**.

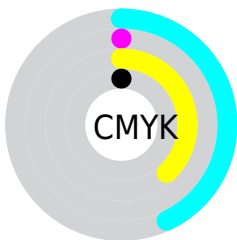
Distribution



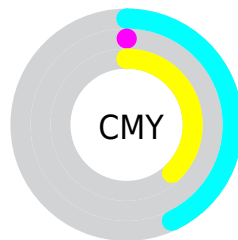
- Red (57%)
- Green (100%)
- Blue (62%)



- Red (57%)
- Yellow (95%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6951, 80.0429, 45.4207 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 53.6951, 80.0429, 45.4207 by changing the saturation by 10% instead.

 53.6951, 80.0429,
45.4207


 53.6951, 80.0429,
45.4207


391.1636,
495.0774, 384.6844

 38.5877, 59.7537,
31.4436


 94.7859, 133.4260,
84.6765

 26.6184, 43.2201,
20.6756


 121.5000,
167.2887, 110.7922

 17.4219, 30.0579,
12.6981


152.8137,
206.4447, 141.7912

 10.6329, 19.8825,
7.0927

189.0924,
251.2783, 178.0921

 5.8860, 12.3097,
3.4408

230.7013,
302.1740, 220.1133

 2.8159, 6.9549,
1.3239

278.0060,

 1.0572, 3.4339,

359.5162, 268.2734

0.0813

331.3716,
423.6892, 322.9909

0.0000, 1.3623,
0.0000

0.0000, 0.1887,
0.0000

53.6951, 80.0429,
45.4207

53.6951, 80.0429,
45.4207

47.9341, 77.2765,
35.9619

60.8132, 83.4688,
56.7604

43.4418, 75.1260,
28.2786

69.3660, 87.5922,
70.0709

40.1213, 73.5440,
22.2611

79.4271, 92.4492,
85.4412

37.8614, 72.4756,
17.7857

91.0648, 98.0730,
102.9534

■ 36.5282, 71.8550, 95.0500, 100.0000,
14.7115 108.9000

■ 36.0270, 71.6268,
13.3259

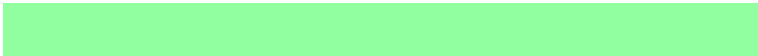
Harmonies

Analogous

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



64.0172, 80.0429, 29.1103



53.6951, 80.0429, 45.4207



49.4072, 80.0429, 79.0445

Triad

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



53.6951, 80.0429, 45.4207



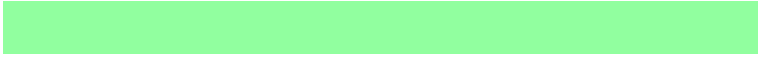
73.1917, 80.0429, 207.3799



107.5925, 80.0429, 55.4761

Complementary

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



53.6951, 80.0429, 45.4207



67.2427, 47.8622, 88.9125

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.



110.9479, 80.0429, 95.7981



53.6951, 80.0429, 45.4207



89.5666, 80.0429, 194.2138

Square

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



53.6951, 80.0429, 45.4207



59.6085, 80.0429, 180.2746



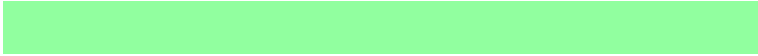
103.9505, 80.0429, 148.8220



95.3327, 80.0429, 33.3305

Rectangle

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



53.6951, 80.0429, 45.4207



50.0433, 80.0429, 111.1642



103.9505, 80.0429, 148.8220



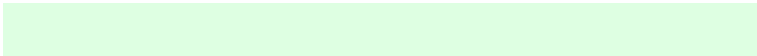
109.8653, 80.0429, 66.8753

Sweetspot

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



53.6956, 80.0432, 45.4220



79.5753, 92.5207, 85.6657



77.5462, 92.4712, 40.5504



16.5275, 19.5594, 17.5696



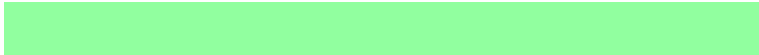
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

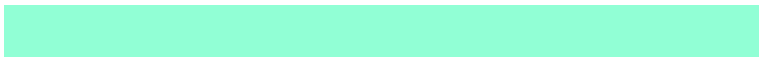
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.6956, 80.0432, 45.4220



48.5233, 77.5590, 36.9456



59.4265, 82.3356, 75.6006



17.8656, 20.2058, 19.5954



18.8538, 37.4381, 7.1156



1.8638, 3.6564, 0.8405

Inverse Universe

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



67.2427, 47.8622, 88.9125



63.6993, 41.4577, 85.6279



60.3533, 45.1064, 52.6334



18.6873, 18.2582, 22.2364



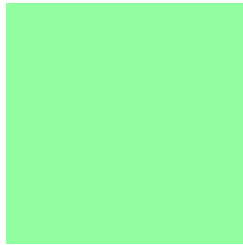
28.5152, 13.8954, 37.6933



2.8031, 1.3636, 3.8103

Previews

White Background



This preview shows how the XYZ color 53.6951, 80.0429, 45.4207 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 53.6951, 80.0429, 45.4207 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 53.6951, 80.0429, 45.4207

Background



This preview shows how black text looks on a background with the XYZ color 53.6951, 80.0429, 45.4207.

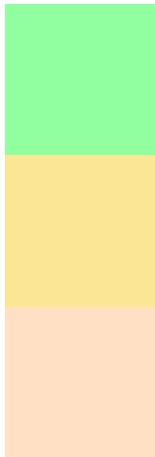


This preview shows how white text looks on a background with the XYZ color 53.6951, 80.0429,

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

53.6951, 80.0429, 45.4207

Protanopia

73.1460, 79.0875, 39.8440

Deuteranopia

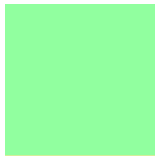
77.9737, 78.6025, 63.8855



Tritanopia

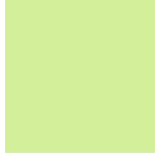
68.9773, 79.7305, 106.3618

Trichromacy



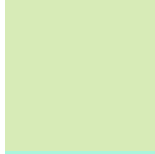
Original Color

53.6951, 80.0429, 45.4207



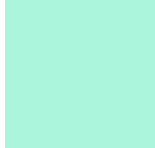
Protanomaly

63.7676, 78.0300, 41.8374



Deuteranomaly

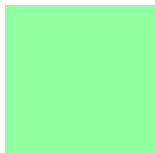
66.2799, 77.2826, 56.2235



Tritanomaly

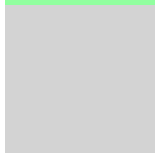
62.1482, 79.0182, 79.6866

Monochromacy



Original Color

53.6951, 80.0429, 45.4207



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.4770, 69.3087, 60.2177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6951, 80.0429, 45.4207 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(145, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 159)  
}
```

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(145, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 53.6951, 80.0429, 45.4207 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(145, 255, 159) }
```


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

```
.border{ border-color:rgb(145, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6951, 80.0429, 45.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 159) }
```

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

```
.background{ background-color: rgb(145,  
255, 159) }
```

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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