

# Converting Colors

XYZ(50.9878, 78.8938, 34.1558)

Have a look what the booklet for  
XYZ(50.9878, 78.8938, 34.1558)  
contains.

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# Color

**XYZ(51.0121, 78.9095,  
34.0152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EFF83
RGB	142, 255, 131
RGB Percent	56%, 100%, 51%
CMY	0.4431, 0.0000, 0.4863
CMYK	0.44, 0.00, 0.49, 0.00
HSL	115°, 100%, 76%
HSV	115°, 49%, 100%
XYZ	51.0121, 78.9095, 34.0152
YIQ	207.0770, -27.5440, -62.5200

# Conversions

## Conversions Part 2

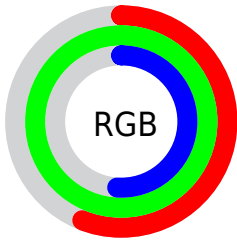
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">131, 255, 244</a>
Decimal	<a href="#">9371523</a>
CIELab	<a href="#">91.19, -55.71, 49.11</a>
CIELCh	<a href="#">91, 74.264, 138.602</a>
Yxy	<a href="#">78.9095, 0.3112, 0.4813</a>
Android (android.graphics.Color)	<a href="#">4287561603 (0xFF8EFF83)</a>
YUV	<a href="#">207.0770, -37.5060, -57.0725</a>
Hunter-Lab	<a href="#">88.8310, -52.9489, 39.4784</a>

# Details

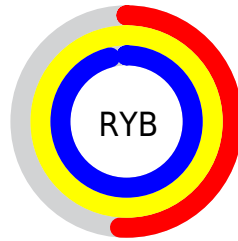
The XYZ color **51.0121, 78.9095, 34.0152** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.4759, 42.6871, 99.5016**, and the grayscale version is **59.6045, 62.7086, 68.2897**.

A 20% lighter version of the original color is **68.7103, 87.4827, 59.7188**, and **24.8211, 42.2764, 14.0597** is the 20% darker color. If you saturate the color by 10%, you get **45.9110, 76.4555, 25.8383**, and if you desaturate by 10%, it is **57.3704, 81.9624, 44.4731**.

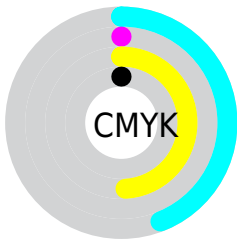
# Distribution



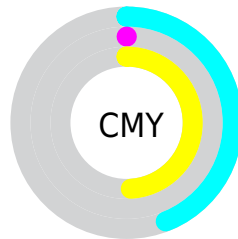
- Red (56%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (96%)



- Cyan (44%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)



- Cyan (44%)
- Magenta (0%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0121, 78.9095, 34.0152 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 51.0121, 78.9095, 34.0152 by changing the saturation by 10% instead.



51.0121, 78.9095,  
34.0152

51.0121, 78.9095,  
34.0152

380.9977,  
491.2501, 334.9710

36.4393, 58.8214,  
22.6278

90.8555, 131.8314,  
67.0915

24.9454, 42.4694,  
14.1162

116.8569,  
165.4341, 89.6174

16.1649, 29.4690,  
8.0619

147.3985,  
204.3104, 116.6934

9.7325, 19.4359,  
4.0462

182.8457,  
248.8447, 148.7378

5.2828, 11.9857,  
1.6507

223.5639,  
299.4214, 186.1692

2.4506, 6.7339,  
0.3266

269.9184,

0.8704, 3.2963,

356.4250, 229.4062

0.0000

322.2745,  
420.2397, 278.8673

0.0000, 1.2883,  
0.0000

0.0000, 0.1321,  
0.0000

51.0121, 78.9095,  
34.0152

51.0121, 78.9095,  
34.0152

45.9110, 76.4555,  
25.8383

57.3704, 81.9624,  
44.4731

41.9820, 74.5603,  
19.7690

65.0608, 85.6497,  
57.3608

39.1316, 73.1798,  
15.6150

74.1537, 90.0045,  
72.8190

37.2507, 72.2629,  
13.1474

84.7144, 95.0578,  
90.9765

■ 36.2003, 71.7448, 95.0500, 100.0000,  
12.0408 108.9000

■ 36.1046, 71.6977,  
11.9361

# Harmonies

## Analogous

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



64.0462, 78.9095, 20.3946



51.0121, 78.9095, 34.0152



44.8420, 78.9095, 67.0329

# Triad

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



51.0121, 78.9095, 34.0152



68.0787, 78.9095, 232.6933



114.7629, 78.9095, 56.9340

# Complementary

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



51.0121, 78.9095, 34.0152



63.4759, 42.6871, 99.5016

# Split Complementary

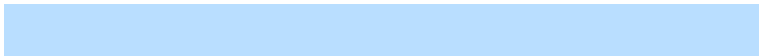
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.3317, 78.9095, 108.0559



51.0121, 78.9095, 34.0152



87.1390, 78.9095, 226.2101

# Square

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



51.0121, 78.9095, 34.0152



53.5377, 78.9095, 189.3843



105.5318, 78.9095, 174.2221



101.5483, 78.9095, 29.2910



# Rectangle

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



51.0121, 78.9095, 34.0152



44.6249, 78.9095, 102.3601



105.5318, 78.9095, 174.2221



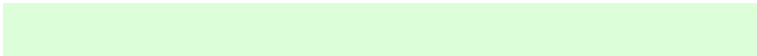
116.7428, 78.9095, 71.3400

# Sweetspot

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



51.0125, 78.9097, 34.0164



77.8102, 91.7546, 79.0847



77.2681, 86.7610, 34.1481



16.1945, 19.4191, 16.1384



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

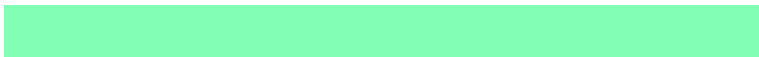
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.0125, 78.9097, 34.0164



46.1950, 76.5923, 26.2866



53.4203, 79.6655, 56.0637



17.9209, 20.2451, 19.1075



18.9159, 37.4896, 6.2392



1.8901, 3.6751, 0.6098



# Inverse Universe

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



63.4759, 42.6871, 99.5016



59.8958, 36.6127, 98.5178



60.4247, 41.9207, 62.9188



18.6244, 18.2136, 22.7839



26.9513, 12.8044, 50.4856

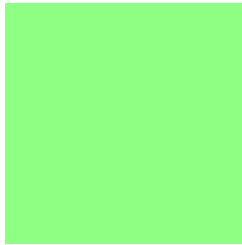


2.6688, 1.2697, 4.9177



# Previews

## White Background



This preview shows how the XYZ color 51.0121, 78.9095, 34.0152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

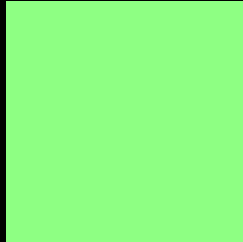
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0121, 78.9095, 34.0152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

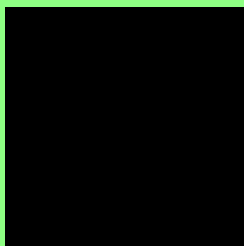
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

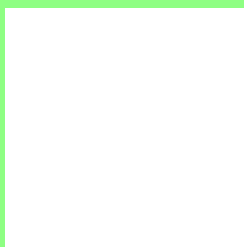
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.0121, 78.9095, 34.0152**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0121, 78.9095, 34.0152.



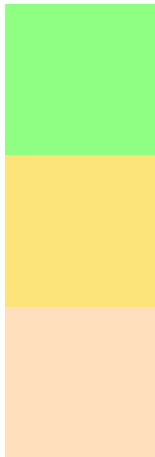
This preview shows how white text looks on a background with the XYZ color 51.0121, 78.9095,



# 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

51.0121, 78.9095, 34.0152

### Protanopia

71.4011, 77.5874, 29.6250

### Deuteranopia

76.7048, 77.6662, 58.5252



## Tritanopia

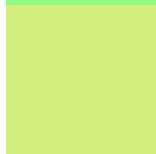
67.5069, 78.5367, 106.2089

# Trichromacy



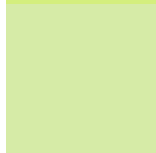
## Original Color

51.0121, 78.9095, 34.0152



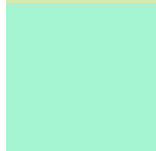
## Protanomaly

61.4276, 76.6268, 30.9549



## Deuteranomaly

64.4149, 76.5028, 47.9307



## Tritanomaly

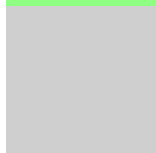
60.0112, 78.0649, 72.8779

# Monochromacy



## Original Color

51.0121, 78.9095, 34.0152



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

54.3208, 66.6333, 52.6463

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0121, 78.9095, 34.0152 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(142, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 131)  
}
```

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(142, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0121, 78.9095, 34.0152 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(142, 255, 131) }
```



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

```
.border{ border-color:rgb(142, 255, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 255, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 255, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 255, 131); box-shadow:4px 4px 4px 4px rgb(142, 255, 131) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0121, 78.9095, 34.0152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 131) }
```

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

```
.background{ background-color: rgb(142,  
255, 131) }
```

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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