

# Converting Colors

XYZ(51.4219, 79.4136, 20.8018)

Have a look what the booklet for  
XYZ(51.4219, 79.4136, 20.8018)  
contains.

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# Color

**XYZ(51.4219, 79.4136,  
20.8018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFF53
RGB	158, 255, 83
RGB Percent	62%, 100%, 33%
CMY	0.3804, 0.0000, 0.6745
CMYK	0.38, 0.00, 0.67, 0.00
HSL	94°, 100%, 66%
HSV	94°, 67%, 100%
XYZ	51.4219, 79.4136, 20.8018
YIQ	206.3890, -2.6000, -74.0560

# Conversions

## Conversions Part 2

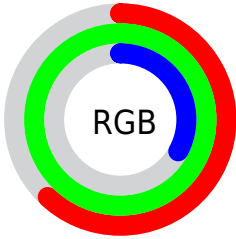
Format	Color
<a href="#">RYB</a>	<a href="#">83, 255, 180</a>
Decimal	<a href="#">10420051</a>
<a href="#">CIELab</a>	<a href="#">91.42, -55.60, 70.02</a>
<a href="#">CIElCh</a>	<a href="#">91, 89.413, 128.454</a>
<a href="#">Yxy</a>	<a href="#">79.4136, 0.3391, 0.5237</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4288610131 (0xFF9EFF53)</a>
<a href="#">YUV</a>	<a href="#">206.3890, -60.8308, -42.4372</a>
<a href="#">Hunter-Lab</a>	<a href="#">89.1143, -52.9496, 48.5401</a>

# Details

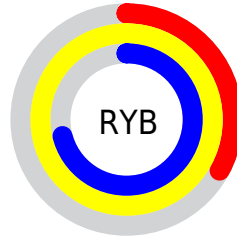
The XYZ color **51.4219, 79.4136, 20.8018** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **39.9675, 23.1114, 96.9622**, and the grayscale version is **59.2950, 62.3829, 67.9350**.

A 20% lighter version of the original color is **69.4071, 88.3189, 38.2001**, and **25.2749, 43.0024, 7.1979** is the 20% darker color. If you saturate the color by 10%, you get **47.9463, 77.7155, 16.4110**, and if you desaturate by 10%, it is **55.5909, 81.4274, 27.1161**.

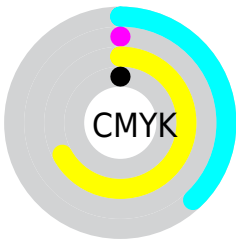
# Distribution



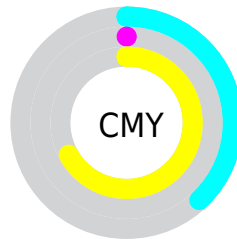
- Red (62%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4219, 79.4136, 20.8018 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 51.4219, 79.4136, 20.8018 by changing the saturation by 10% instead.





 51.4219, 79.4136,  
20.8018

 51.4219, 79.4136,  
20.8018


382.5614,  
492.9544, 268.9697

 36.7669, 59.2359,  
12.7894


 91.4574, 132.5410,  
45.6339

 25.1999, 42.8031,  
7.1546


 117.5686,  
166.2595, 63.2907

 16.3556, 29.7306,  
3.4791


 148.2292,  
205.2603, 84.9994

 9.8686, 19.6342,  
1.3442

 183.8047,  
249.9280, 111.1785

 5.3735, 12.1294,  
0.0976

224.6602,  
300.6468, 142.2465

 2.5050, 6.8319,  
0.0000

271.1613,

 0.8978, 3.3572,

357.8013, 178.6220

0.0000

323.6733,  
421.7757, 220.7235

■ 0.0000, 1.3209,  
0.0000

■ 0.0000, 0.1573,  
0.0000

■ 51.4219, 79.4136,  
20.8018

■ 51.4219, 79.4136,  
20.8018

■ 47.9463, 77.7155,  
16.4110

■ 55.5909, 81.4274,  
27.1161

■ 45.1102, 76.3101,  
13.7187

■ 60.4990, 83.7763,  
35.5383

■ 42.8470, 75.1693,  
12.4377

■ 66.1881, 86.4783,  
46.2351

■ 42.3391, 74.9116,  
12.2279

■ 72.6964, 89.5498,  
59.3556

■ 80.0592, 93.0059,  
75.0362

■ 88.3094, 96.8611,  
93.4031

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



69.2326, 79.4136, 12.3327



51.4219, 79.4136, 20.8018



41.6764, 79.4136, 48.1487

# Triad

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



51.4219, 79.4136, 20.8018



60.5333, 79.4136, 263.0808



127.5199, 79.4136, 69.3331

# Complementary

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



51.4219, 79.4136, 20.8018



39.9675, 23.1114, 96.9622

# 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.



123.8944, 79.4136, 141.0954



51.4219, 79.4136, 20.8018



82.0929, 79.4136, 278.9052

# Square

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



51.4219, 79.4136, 20.8018



46.1544, 79.4136, 190.0686



106.0699, 79.4136, 226.2867



115.1629, 79.4136, 29.6299



# Rectangle

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



51.4219, 79.4136, 20.8018



39.6638, 79.4136, 83.1326



106.0699, 79.4136, 226.2867



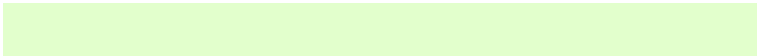
128.1724, 79.4136, 89.8912

# Sweetspot

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



51.4221, 79.4137, 20.8030



78.0976, 92.0868, 70.7851



58.6430, 53.5675, 15.4336



16.2677, 19.5000, 14.1913



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.



51.4221, 79.4137, 20.8030



46.8689, 77.1841, 15.2730



41.2424, 74.1251, 22.1690



18.5230, 20.5555, 19.1357



22.2872, 39.2275, 6.3970



2.2927, 3.8827, 0.6286



# Inverse Universe

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



39.9675, 23.1114, 96.9622



34.6297, 17.3637, 96.1341



61.0298, 34.1259, 90.8816



17.9833, 17.8831, 22.7539



15.5988, 6.9520, 49.9543

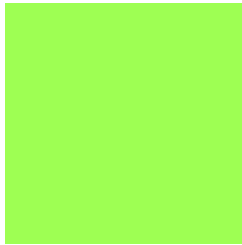


1.6442, 0.7416, 4.8697



# Previews

## White Background



This preview shows how the XYZ color 51.4219, 79.4136, 20.8018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

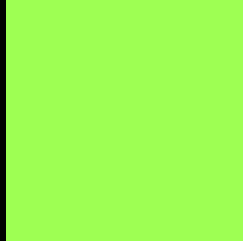
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4219, 79.4136, 20.8018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

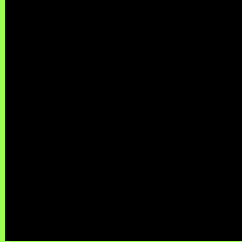
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.4219, 79.4136, 20.8018

## Background



This preview shows how black text looks on a background with the XYZ color 51.4219, 79.4136, 20.8018.



This preview shows how white text looks on a background with the XYZ color 51.4219, 79.4136,



# 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

51.4219, 79.4136, 20.8018

### Protanopia

71.2351, 78.0889, 21.6741

### Deuteranopia

76.6526, 78.0741, 56.9287



## Tritanopia

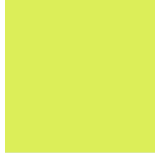
69.6108, 79.1879, 106.2237

# Trichromacy



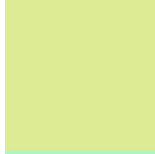
## Original Color

51.4219, 79.4136, 20.8018



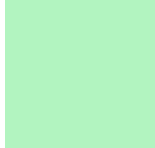
## Protanomaly

61.8929, 77.0860, 21.0682



## Deuteranomaly

64.5688, 76.7704, 39.4320



## Tritanomaly

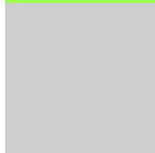
60.2252, 77.9721, 61.7451

# Monochromacy



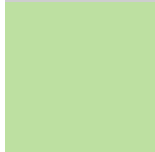
## Original Color

51.4219, 79.4136, 20.8018



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

54.0749, 66.7033, 43.7432

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4219, 79.4136, 20.8018 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(158, 255, 83)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 83)  
}
```

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(158, 255, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 83) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4219, 79.4136, 20.8018 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(158, 255, 83) }
```



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

```
.border{ border-color:rgb(158, 255, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
83) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4219, 79.4136, 20.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 83) }
```

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

```
.background{ background-color: rgb(158,  
255, 83) }
```

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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