

# Converting Colors

XYZ(51.8553, 79.2271, 39.3474)

Have a look what the booklet for  
XYZ(51.8553, 79.2271, 39.3474)  
contains.

<b>XYZ(51.8553, 79.2271, 39.3474)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.8553, 79.2271,  
39.3474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DFF91
RGB	141, 255, 145
RGB Percent	55%, 100%, 57%
CMY	0.4471, 0.0000, 0.4314
CMYK	0.45, 0.00, 0.43, 0.00
HSL	122°, 100%, 78%
HSV	122°, 45%, 100%
XYZ	51.8553, 79.2271, 39.3474
YIQ	208.3740, -32.6340, -58.3780

# Conversions

## Conversions Part 2

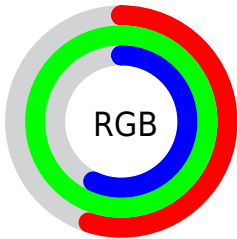
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 251, 255
Decimal	9306001
CIELab	91.34, -54.10, 42.61
CIELCh	91, 68.864, 141.777
Yxy	79.2271, 0.3043, 0.4649
Android (android.graphics.Color)	4287496081 (0xFF8DFF91)
YUV	208.3740, -31.2434, -59.0870
Hunter-Lab	89.0096, -51.7761, 36.0971

# Details

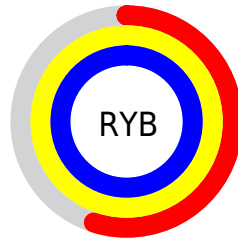
The XYZ color **51.8553, 79.2271, 39.3474** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.1771, 47.2748, 96.7962**, and the grayscale version is **60.4084, 63.5544, 69.2107**.

A 20% lighter version of the original color is **70.0047, 87.9695, 67.9338**, and **25.3777, 42.4990, 16.9908** is the 20% darker color. If you saturate the color by 10%, you get **46.3106, 76.5646, 30.2340**, and if you desaturate by 10%, it is **58.8097, 82.5686, 50.6737**.

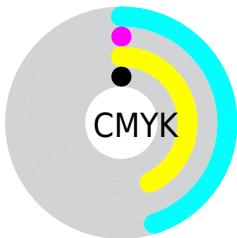
# Distribution



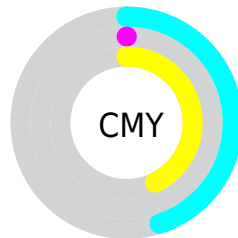
- Red (55%)
- Green (100%)
- Blue (57%)



- Red (55%)
- Yellow (98%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8553, 79.2271, 39.3474 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 51.8553, 79.2271, 39.3474 by changing the saturation by 10% instead.





 51.8553, 79.2271,  
39.3474


 51.8553, 79.2271,  
39.3474


384.2109,  
492.3243, 358.8352

 37.1136, 59.0825,  
26.7202


 92.0933, 132.2785,  
75.3949

 25.4695, 42.6796,  
17.1326


 118.3203,  
165.9542, 99.6523

 16.5578, 29.6338,  
10.1661


149.1063,  
204.9090, 128.6234

 10.0131, 19.5608,  
5.4022

184.8169,  
249.5274, 162.7270

 5.4699, 12.0762,  
2.4223

225.8172,  
300.1937, 202.3813

 2.5631, 6.7956,  
0.7985

272.4728,

 0.9272, 3.3346,

357.2924, 248.0052

0.0000

325.1489,  
421.2078, 300.0169

0.0000, 1.3088,  
0.0000

0.0000, 0.1480,  
0.0000

51.8553, 79.2271,  
39.3474

51.8553, 79.2271,  
39.3474

46.3106, 76.5646,  
30.2340

58.8097, 82.5686,  
50.6737

42.0783, 74.5344,  
23.1854

67.2599, 86.6311,  
64.3407

39.0505, 73.0842,  
18.0416

77.2864, 91.4534,  
80.4705

37.1015, 72.1532,  
14.6171

88.9638, 97.0714,  
99.1761

■ 36.0781, 71.6673, 95.0500, 100.0000,  
12.6897 108.9000

■ 35.8091, 71.5396,  
12.1783

# Harmonies

## Analogous

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



63.5043, 79.2271, 24.1802



51.8553, 79.2271, 39.3474



46.6854, 79.2271, 73.2120

# Triad

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



51.8553, 79.2271, 39.3474



70.5956, 79.2271, 220.9842



111.0431, 79.2271, 55.2429

# Complementary

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



51.8553, 79.2271, 39.3474



68.1771, 47.2748, 96.7962

# 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.



113.7255, 79.2271, 100.7837



51.8553, 79.2271, 39.3474



88.4794, 79.2271, 210.1527

# Square

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



51.8553, 79.2271, 39.3474



56.3556, 79.2271, 186.1901



104.9285, 79.2271, 160.6176



98.0822, 79.2271, 30.5718



# Rectangle

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



51.8553, 79.2271, 39.3474



46.9492, 79.2271, 107.4510



104.9285, 79.2271, 160.6176



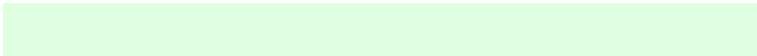
113.2494, 79.2271, 68.0643

# Sweetspot

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



51.8557, 79.2272, 39.3486



79.1594, 92.3544, 83.4759



80.4235, 93.9895, 39.1025



16.4265, 19.5190, 17.0379



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.



51.8557, 79.2272, 39.3486



46.6577, 76.7312, 30.8077



57.3816, 81.4376, 68.4479



17.7974, 20.1785, 19.2362



18.7222, 37.3855, 6.4222



1.8316, 3.6436, 0.6710



# Inverse Universe

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



68.1771, 47.2748, 96.7962



64.9175, 40.9651, 95.0639



60.5251, 44.2140, 56.5011



18.7635, 18.2887, 22.6377



30.2567, 14.5920, 46.8638

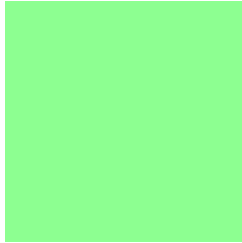


2.9543, 1.4241, 4.6067



# Previews

## White Background



This preview shows how the XYZ color 51.8553, 79.2271, 39.3474 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 51.8553, 79.2271, 39.3474 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

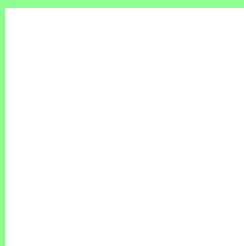
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.8553, 79.2271, 39.3474**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8553, 79.2271, 39.3474.



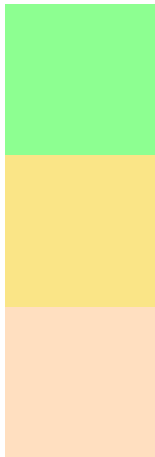
This preview shows how white text looks on a background with the XYZ color 51.8553, 79.2271,



# 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

51.8553, 79.2271, 39.3474

### Protanopia

71.8168, 78.1119, 34.2136

### Deuteranopia

77.1421, 77.8411, 60.8282



## Tritanopia

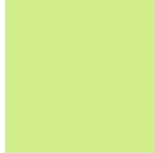
67.7389, 78.6563, 106.2197

# Trichromacy



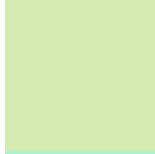
## Original Color

51.8553, 79.2271, 39.3474



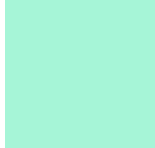
## Protanomaly

61.8131, 76.7148, 35.9756



## Deuteranomaly

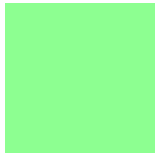
65.1778, 76.8079, 51.9476



## Tritanomaly

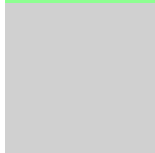
60.6440, 78.3181, 76.2106

# Monochromacy



## Original Color

51.8553, 79.2271, 39.3474



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.4493, 67.5436, 56.0137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8553, 79.2271, 39.3474 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(141, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 145)  
}
```

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(141, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8553, 79.2271, 39.3474 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(141, 255, 145) }
```



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

```
.border{ border-color:rgb(141, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 255, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 255, 145); box-shadow:4px 4px 4px 4px rgb(141, 255, 145) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8553, 79.2271, 39.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 145) }
```

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

```
.background{ background-color: rgb(141,  
255, 145) }
```

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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