

# Converting Colors

XYZ(52.0826, 79.7885, 36.1902)

Have a look what the booklet for  
XYZ(52.0826, 79.7885, 36.1902)  
contains.

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# Color

**XYZ(51.7770, 79.2554,  
36.2358)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90FF89
RGB	144, 255, 137
RGB Percent	56%, 100%, 54%
CMY	0.4353, 0.0000, 0.4627
CMYK	0.44, 0.00, 0.46, 0.00
HSL	116°, 100%, 77%
HSV	116°, 46%, 100%
XYZ	51.7770, 79.2554, 36.2358
YIQ	208.3590, -28.2780, -60.2300

# Conversions

## Conversions Part 2

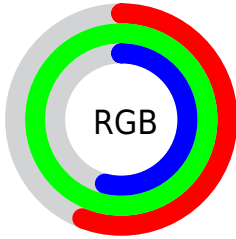
Format	Color
<a href="#">RYB</a>	<a href="#">137, 255, 248</a>
Decimal	<a href="#">9502601</a>
CIELab	<a href="#">91.35, -54.36, 46.49</a>
CIElCh	<a href="#">91, 71.528, 139.464</a>
Yxy	<a href="#">79.2554, 0.3095, 0.4738</a>
Android (android.graphics.Color)	<a href="#">4287692681 (0xFF90FF89)</a>
YUV	<a href="#">208.3590, -35.1800, -56.4428</a>
Hunter-Lab	<a href="#">89.0255, -51.9795, 38.1852</a>

# Details

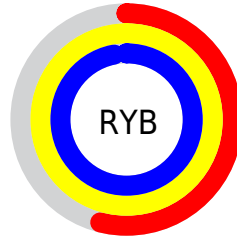
The XYZ color **51.7770, 79.2554, 36.2358** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.7082, 45.0691, 99.8437**, and the grayscale version is **60.4216, 63.5683, 69.2258**.

A 20% lighter version of the original color is **69.9030, 88.0223, 63.1749**, and **25.3128, 42.5039, 15.2575** is the 20% darker color. If you saturate the color by 10%, you get **46.4047, 76.6729, 27.5382**, and if you desaturate by 10%, it is **58.4725, 82.4702, 47.2539**.

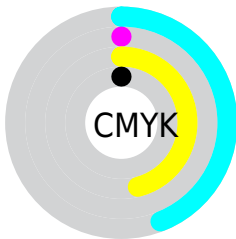
# Distribution



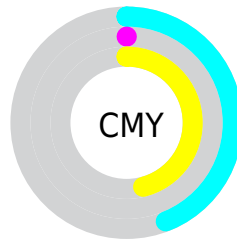
- Red (56%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (97%)



- Cyan (44%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)



- Cyan (44%)
- Magenta (0%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7770, 79.2554, 36.2358 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 51.7770, 79.2554, 36.2358 by changing the saturation by 10% instead.





 51.7770, 79.2554,  
36.2358


 51.7770, 79.2554,  
36.2358


383.9132,  
492.4199, 345.0585


 37.0509, 59.1058,  
24.3252


 91.9785, 132.3184,  
70.5690

 25.4208, 42.6983,  
15.3606


 118.1845,  
166.0005, 93.8287

 16.5212, 29.6485,  
8.9234

 148.9480,  
204.9623, 121.7085

 9.9869, 19.5719,  
4.5951

184.6341,  
249.5882, 154.6270

 5.4525, 12.0843,  
1.9572

225.6084,  
300.2625, 193.0028

 2.5526, 6.8011,  
0.5288

272.2361,

 0.9218, 3.3380,

357.3696, 237.2542

0.0000

324.8826,  
421.2940, 287.8000

0.0000, 1.3106,  
0.0000

0.0000, 0.1494,  
0.0000

51.7770, 79.2554,  
36.2358

51.7770, 79.2554,  
36.2358

46.4047, 76.6729,  
27.5382

58.4725, 82.4702,  
47.2539

42.2664, 74.6801,  
20.9918

66.5698, 86.3544,  
60.7383

39.2643, 73.2308,  
16.4106

76.1426, 90.9432,  
76.8269

37.2847, 72.2710,  
13.5750

87.2593, 96.2690,  
95.6466

■ 36.1903, 71.7358, 95.0500, 100.0000,  
12.2119 108.9000

■ 35.9590, 71.6226,  
11.9293

# Harmonies

## Analogous

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



64.2787, 79.2554, 22.1613



51.7770, 79.2554, 36.2358



45.9399, 79.2554, 69.2634

# Triad

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



51.7770, 79.2554, 36.2358



69.1208, 79.2554, 226.7630



113.3016, 79.2554, 57.0668

# Complementary

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



51.7770, 79.2554, 36.2358



65.7082, 45.0691, 99.8437

# Split Complementary

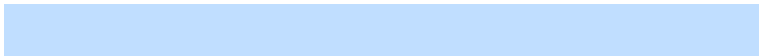
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.1593, 79.2554, 105.9136



51.7770, 79.2554, 36.2358



87.5803, 79.2554, 219.1738

# Square

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



51.7770, 79.2554, 36.2358



54.8298, 79.2554, 186.8515



105.1211, 79.2554, 169.0201



100.3921, 79.2554, 30.4049



# Rectangle

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



51.7770, 79.2554, 36.2358



45.8583, 79.2554, 103.8136



105.1211, 79.2554, 169.0201



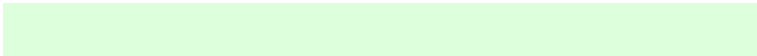
115.3100, 79.2554, 70.8683

# Sweetspot

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



51.7774, 79.2556, 36.2370



78.5317, 92.0880, 80.8608



79.0572, 89.6695, 36.8093



16.3232, 19.4778, 16.4873



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

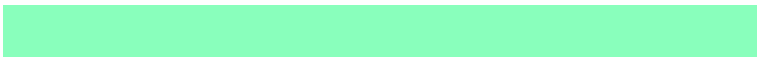
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.7774, 79.2556, 36.2370



46.5346, 76.7354, 27.7465



55.1687, 80.4753, 60.2790



17.8712, 20.2195, 19.1052



18.8280, 37.4442, 6.2351



1.8667, 3.6631, 0.6087



# Inverse Universe

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



65.7082, 45.0691, 99.8437



62.0588, 38.5415, 98.7761



61.0694, 43.5055, 62.2225



18.6800, 18.2423, 22.7865



28.2324, 13.4648, 50.5455

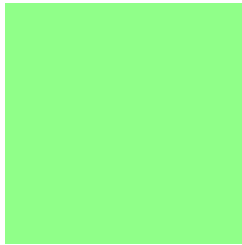


2.7799, 1.3270, 4.9229



# Previews

## White Background



This preview shows how the XYZ color 51.7770, 79.2554, 36.2358 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

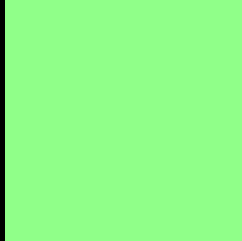
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7770, 79.2554, 36.2358 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 51.7770, 79.2554, 36.2358**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7770, 79.2554, 36.2358.



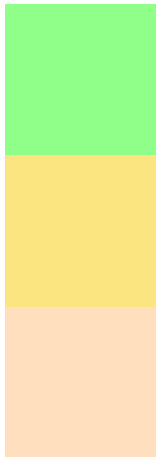
This preview shows how white text looks on a background with the XYZ color 51.7770, 79.2554,



# 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

51.7770, 79.2554, 36.2358

### Protanopia

71.6993, 78.1064, 31.7192

### Deuteranopia

76.9219, 77.7531, 59.6688



## Tritanopia

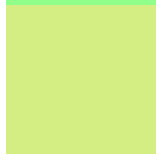
67.9726, 78.7768, 106.2306

# Trichromacy



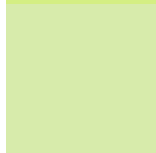
## Original Color

51.7770, 79.2554, 36.2358



## Protanomaly

61.8226, 76.7848, 33.0353



## Deuteranomaly

65.0833, 76.8040, 49.9225



## Tritanomaly

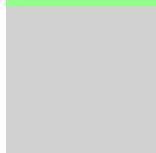
60.6845, 78.3831, 74.2184

# Monochromacy



## Original Color

51.7770, 79.2554, 36.2358



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.3763, 67.5421, 54.3743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7770, 79.2554, 36.2358 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(144, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 137)  
}
```

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(144, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7770, 79.2554, 36.2358 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(144, 255, 137) }
```



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

```
.border{ border-color:rgb(144, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7770, 79.2554, 36.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 137) }
```

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

```
.background{ background-color: rgb(144,  
255, 137) }
```

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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