

# Converting Colors

XYZ(51.7246, 79.0629, 43.7147)

Have a look what the booklet for  
XYZ(51.7246, 79.0629, 43.7147)  
contains.

<b>XYZ(51.6681, 79.0375, 43.5429)</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(51.6681, 79.0375,  
43.5429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87FF9B
RGB	135, 255, 155
RGB Percent	53%, 100%, 61%
CMY	0.4706, 0.0000, 0.3921
CMYK	0.47, 0.00, 0.39, 0.00
HSL	130°, 100%, 76%
HSV	130°, 47%, 100%
XYZ	51.6681, 79.0375, 43.5429
YIQ	207.7200, -39.4200, -56.5400

# Conversions

## Conversions Part 2

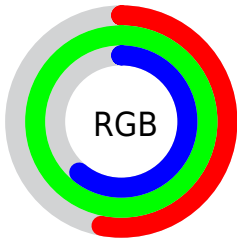
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 238, 255</a>
Decimal	<a href="#">8912795</a>
CIELab	<a href="#">91.25, -54.22, 37.57</a>
CIELCh	<a href="#">91, 65.965, 145.285</a>
Yxy	<a href="#">79.0375, 0.2965, 0.4536</a>
Android (android.graphics.Color)	<a href="#">4287102875 (0xFF87FF9B)</a>
YUV	<a href="#">207.7200, -25.9910, -63.7754</a>
Hunter-Lab	<a href="#">88.9030, -51.8408, 33.1931</a>

# Details

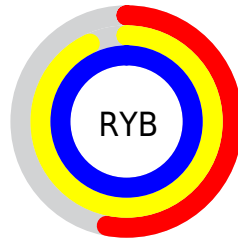
The XYZ color **51.6681, 79.0375, 43.5429** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.8994, 44.5865, 83.7818**, and the grayscale version is **59.9540, 63.0762, 68.6900**.

A 20% lighter version of the original color is **69.6410, 87.6425, 74.2190**, and **25.2662, 42.3877, 19.4203** is the 20% darker color. If you saturate the color by 10%, you get **46.4144, 76.5175, 34.7871**, and if you desaturate by 10%, it is **58.2192, 82.1900, 54.0012**.

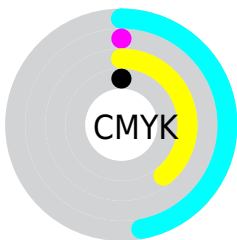
# Distribution



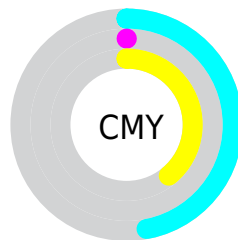
- Red (53%)
- Green (100%)
- Blue (61%)



- Red (53%)
- Yellow (93%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6681, 79.0375, 43.5429 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 51.6681, 79.0375, 43.5429 by changing the saturation by 10% instead.





 51.6681, 79.0375,  
43.5429


 51.6681, 79.0375,  
43.5429


383.4990,  
491.6832, 376.8263

 36.9638, 58.9266,  
29.9768


 91.8187, 132.0117,  
81.8246

 25.3530, 42.5541,  
19.5690


 117.9957,  
165.6437, 107.3773

 16.4704, 29.5354,  
11.9012


148.7277,  
204.5517, 137.7625

 9.9506, 19.4862,  
6.5547

184.3799,  
249.1199, 173.3988

 5.4282, 12.0221,  
3.1110

225.3178,  
299.7327, 214.7049

 2.5380, 6.7587,  
1.1516

271.9067,

 0.9144, 3.3117,

356.7747, 262.0991

0.0000

324.5120,  
420.6300, 316.0001

0.0000, 1.2965,  
0.0000

0.0000, 0.1385,  
0.0000

51.6681, 79.0375,  
43.5429

51.6681, 79.0375,  
43.5429

46.4144, 76.5175,  
34.7871

58.2192, 82.1900,  
54.0012

42.3690, 74.5860,  
27.6401

66.1458, 86.0136,  
66.2415

39.4335, 73.1944,  
22.0046

75.5214, 90.5445,  
80.3431

37.4929, 72.2856,  
17.7715

86.4140, 95.8161,  
96.3791

■ 36.4031, 71.7881,  
14.8165

95.0500, 100.0000,  
108.9000

■ 36.1870, 71.6908,  
14.1685

# Harmonies

## Analogous

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



62.2073, 79.0375, 26.7561



51.6681, 79.0375, 43.5429



47.4151, 79.0375, 78.7083

# Triad

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



51.6681, 79.0375, 43.5429



72.5105, 79.0375, 214.3447



108.1128, 79.0375, 52.4101

# Complementary

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



51.6681, 79.0375, 43.5429



64.8994, 44.5865, 83.7818

# 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.



111.9459, 79.0375, 93.8524



51.6681, 79.0375, 43.5429



89.7125, 79.0375, 199.0815

# Square

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



51.6681, 79.0375, 43.5429



58.2569, 79.0375, 186.1320



104.7784, 79.0375, 149.8844



94.9650, 79.0375, 30.3827



# Rectangle

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



51.6681, 79.0375, 43.5429



48.1761, 79.0375, 112.6929



104.7784, 79.0375, 149.8844



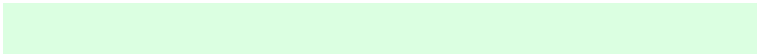
110.6090, 79.0375, 63.9906

# Sweetspot

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



51.6685, 79.0377, 43.5442



78.6886, 92.0766, 85.0387



74.3943, 90.9315, 36.5528



16.3611, 19.4753, 17.4886



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.



51.6685, 79.0377, 43.5442



46.9116, 76.7555, 35.6360



58.0177, 81.5773, 76.9785



17.8951, 20.2176, 19.7504



18.9444, 37.4744, 7.5926



1.8776, 3.6620, 0.9132



# Inverse Universe

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



64.8994, 44.5865, 83.7818



61.5081, 38.6733, 79.9710



57.6422, 41.6836, 45.5656



18.6550, 18.2453, 22.0663



27.8392, 13.6250, 34.1333

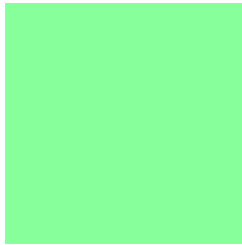


2.7436, 1.3398, 3.4972



# Previews

## White Background



This preview shows how the XYZ color 51.6681, 79.0375, 43.5429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

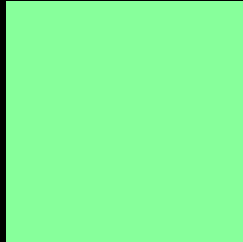
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6681, 79.0375, 43.5429 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 51.6681, 79.0375, 43.5429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.6681, 79.0375, 43.5429.



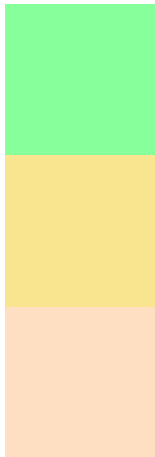
This preview shows how white text looks on a background with the XYZ color 51.6681, 79.0375,

43.5429.

# 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

51.6681, 79.0375, 43.5429

### Protanopia

71.8444, 77.6402, 37.5850

### Deuteranopia

77.2533, 77.8856, 61.4138



## Tritanopia

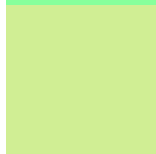
67.0480, 78.3001, 106.1874

# Trichromacy



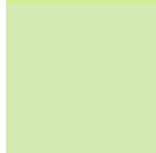
## Original Color

51.6681, 79.0375, 43.5429



## Protanomaly

61.9323, 76.6971, 39.5568



## Deuteranomaly

64.7090, 76.5202, 54.0072



## Tritanomaly

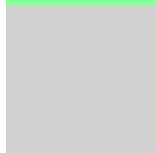
60.3389, 78.1007, 78.9126

# Monochromacy



## Original Color

51.6681, 79.0375, 43.5429



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.1666, 67.3483, 58.2360

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6681, 79.0375, 43.5429 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(135, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 155)  
}
```

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(135, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6681, 79.0375, 43.5429 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(135, 255, 155) }
```



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

```
.border{ border-color:rgb(135, 255, 155) }
```

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

Here you see how a box with a 4 pixel rgb(135, 255, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6681, 79.0375, 43.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 155) }
```

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

```
.background{ background-color: rgb(135,  
255, 155) }
```

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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