

# Converting Colors

XYZ(53.5263, 79.9960, 43.6037)

Have a look what the booklet for  
XYZ(53.5263, 79.9960, 43.6037)  
contains.

<b>XYZ(53.5305, 79.9976, 43.6301)</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(53.5305, 79.9976,  
43.6301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92FF9B
RGB	146, 255, 155
RGB Percent	57%, 100%, 61%
CMY	0.4274, 0.0000, 0.3921
CMYK	0.43, 0.00, 0.39, 0.00
HSL	125°, 100%, 79%
HSV	125°, 43%, 100%
XYZ	53.5305, 79.9976, 43.6301
YIQ	211.0090, -32.8640, -54.2080

# Conversions

## Conversions Part 2

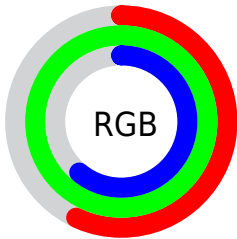
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">146, 247, 255</a>
Decimal	<a href="#">9633691</a>
CIELab	<a href="#">91.68, -51.24, 38.21</a>
CIELCh	<a href="#">92, 63.922, 143.286</a>
Yxy	<a href="#">79.9976, 0.3022, 0.4516</a>
Android (android.graphics.Color)	<a href="#">4287823771</a> ( <a href="#">0xFF92FF9B</a> )
YUV	<a href="#">211.0090, -27.6124, -57.0129</a>
Hunter-Lab	<a href="#">89.4414, -49.6905, 33.6869</a>

# Details

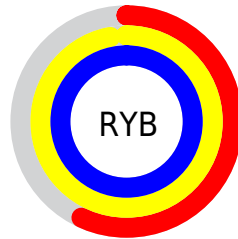
The XYZ color **53.5305, 79.9976, 43.6301** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.1534, 48.4719, 92.9515**, and the grayscale version is **62.1149, 65.3497, 71.1658**.

A 20% lighter version of the original color is **72.2947, 89.0105, 74.3432**, and **26.3890, 42.9665, 19.4729** is the 20% darker color. If you saturate the color by 10%, you get **47.7136, 77.2043, 34.0768**, and if you desaturate by 10%, it is **60.7398, 83.4647, 55.2377**.

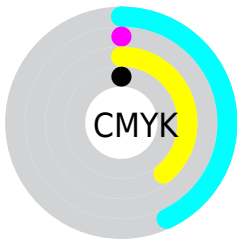
# Distribution



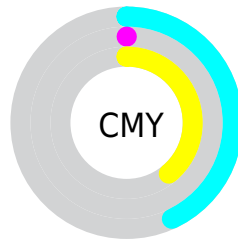
- Red (57%)
- Green (100%)
- Blue (61%)



- Red (57%)
- Yellow (97%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5305, 79.9976, 43.6301 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 53.5305, 79.9976, 43.6301 by changing the saturation by 10% instead.





 53.5305, 79.9976,  
43.6301


 53.5305, 79.9976,  
43.6301


390.5448,  
494.9247, 377.1938

 38.4556, 59.7164,  
30.0448


 94.5455, 133.3624,  
81.9574

 26.5153, 43.1901,  
19.6202


 121.2163,  
167.2147, 107.5364

 17.3442, 30.0343,  
11.9380


152.4831,  
206.3595, 137.9504

 10.5771, 19.8646,  
6.5794

188.7113,  
251.1812, 173.6179

 5.8484, 12.2967,  
3.1261

230.2662,  
302.0642, 214.9574

 2.7929, 6.9461,  
1.1594

277.5131,

 1.0452, 3.4284,

359.3928, 262.3875

0.0000

330.8175,  
423.5516, 316.3268

0.0000, 1.3593,  
0.0000

0.0000, 0.1864,  
0.0000

53.5305, 79.9976,  
43.6301

53.5305, 79.9976,  
43.6301

47.7136, 77.2043,  
34.0768

60.7398, 83.4647,  
55.2377

43.1977, 75.0403,  
26.4548

69.4223, 87.6449,  
69.0057

39.8825, 73.4567,  
20.6335

79.6539, 92.5752,  
85.0373

37.6526, 72.3970,  
16.4649

91.5052, 98.2900,  
103.4279

■ 36.3693, 71.7936,  
13.7772

95.0500, 100.0000,  
108.9000

■ 35.8959, 71.5744,  
12.6357

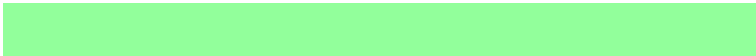
# Harmonies

## Analogous

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



64.2803, 79.9976, 27.8441



53.5305, 79.9976, 43.6301



48.9092, 79.9976, 77.0035

# Triad

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



53.5305, 79.9976, 43.6301



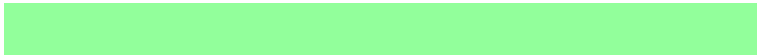
72.4216, 79.9976, 210.4891



108.6946, 79.9976, 56.1584

# Complementary

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



53.5305, 79.9976, 43.6301



68.1534, 48.4719, 92.9515

# 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.



111.6958, 79.9976, 98.0508



53.5305, 79.9976, 43.6301



89.1426, 79.9976, 198.6325

# Square

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



53.5305, 79.9976, 43.6301



58.7591, 79.9976, 180.9615



104.1004, 79.9976, 152.7178

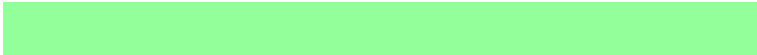


96.4038, 79.9976, 33.0566



# Rectangle

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



53.5305, 79.9976, 43.6301



49.3767, 79.9976, 109.4591



104.1004, 79.9976, 152.7178



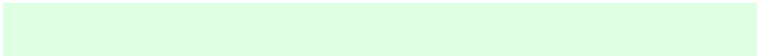
110.8895, 79.9976, 68.0205

# Sweetspot

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



53.5309, 79.9978, 43.6314



79.3727, 92.4397, 84.5989



79.5654, 93.5031, 41.0490



16.4783, 19.5397, 17.3104



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.



53.5309, 79.9978, 43.6314



48.6321, 77.6450, 35.6010



58.9708, 82.1737, 72.2775



17.8324, 20.1925, 19.4206



18.7774, 37.4075, 6.7129



1.8482, 3.6502, 0.7583



# Inverse Universe

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



68.1534, 48.4719, 92.9515



64.9359, 42.4620, 90.5685



61.1709, 45.6789, 56.1819



18.7241, 18.2730, 22.4304



29.3315, 14.2219, 41.9917

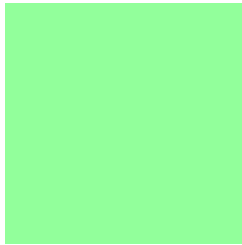


2.8743, 1.3921, 4.1852



# Previews

## White Background



This preview shows how the XYZ color 53.5305, 79.9976, 43.6301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

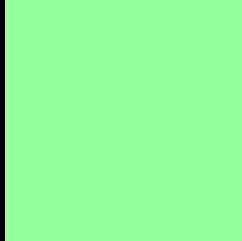
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5305, 79.9976, 43.6301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

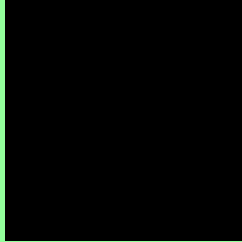
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.5305, 79.9976, 43.6301

## Background



This preview shows how black text looks on a background with the XYZ color 53.5305, 79.9976, 43.6301.



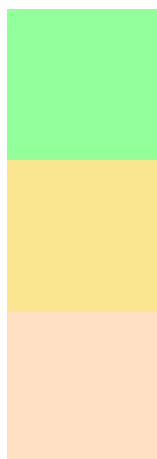
This preview shows how white text looks on a background with the XYZ color 53.5305, 79.9976,



# 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

53.5305, 79.9976, 43.6301

### Protanopia

72.8320, 78.9620, 38.1906

### Deuteranopia

77.8595, 78.5568, 63.2839



## Tritanopia

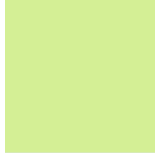
68.9773, 79.7305, 106.3618

# Trichromacy



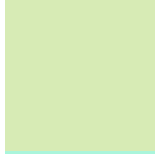
## Original Color

53.5305, 79.9976, 43.6301



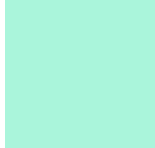
## Protanomaly

63.4427, 77.9000, 40.1262



## Deuteranomaly

66.0732, 77.1999, 55.1347



## Tritanomaly

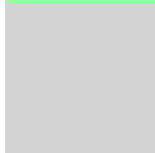
62.0162, 78.9653, 78.9911

# Monochromacy



## Original Color

53.5305, 79.9976, 43.6301



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

57.3666, 69.2646, 59.6361

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5305, 79.9976, 43.6301 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(146, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5305, 79.9976, 43.6301 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(146, 255, 155) }
```



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

```
.border{ border-color:rgb(146, 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(146, 255, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5305, 79.9976, 43.6301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 155) }
```

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

```
.background{ background-color: rgb(146,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor