

# Converting Colors

XYZ(54.1179, 77.5934, 47.7409)

Have a look what the booklet for  
XYZ(54.1179, 77.5934, 47.7409)  
contains.

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# Color

**XYZ(53.9936, 77.3380,  
47.6793)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AF9A5
RGB	154, 249, 165
RGB Percent	60%, 98%, 65%
CMY	0.3961, 0.0235, 0.3529
CMYK	0.38, 0.00, 0.34, 0.02
HSL	127°, 89%, 79%
HSV	127°, 38%, 98%
XYZ	53.9936, 77.3380, 47.6793
YIQ	211.0190, -29.6560, -46.2640

# Conversions

## Conversions Part 2

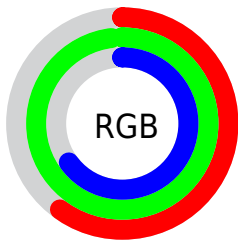
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 239, 249
Decimal	10156453
CIELab	90.48, -44.85, 31.71
CIElCh	90, 54.928, 144.744
Yxy	77.3380, 0.3016, 0.4320
Android (android.graphics.Color)	4288346533 (0xFF9AF9A5)
YUV	211.0190, -22.6874, -50.0057
Hunter-Lab	87.9420, -44.3052, 29.4143

# Details

The XYZ color **53.9936, 77.3380, 47.6793** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.0576, 49.4254, 86.9500**, and the grayscale version is **62.0903, 65.3238, 71.1376**.

A 20% lighter version of the original color is **75.6751, 90.5893, 81.9036**, and **26.8113, 41.4658, 21.9198** is the 20% darker color. If you saturate the color by 10%, you get **47.9026, 74.4121, 37.8191**, and if you desaturate by 10%, it is **61.4166, 80.9151, 59.4059**.

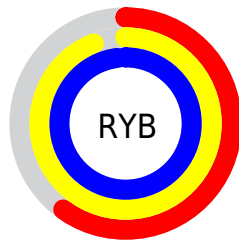
# Distribution



Red (60%)

Green (98%)

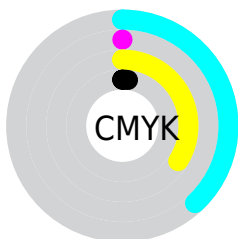
Blue (65%)



Red (60%)

Yellow (94%)

Blue (98%)

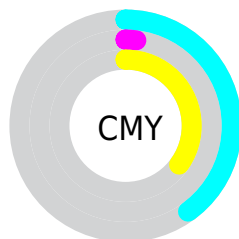


Cyan (38%)

Magenta (0%)

Yellow (34%)

Black (2%)



Cyan (40%)

Magenta (2%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9936, 77.3380, 47.6793 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 53.9936, 77.3380, 47.6793 by changing the saturation by 10% instead.





 53.9936, 77.3380,  
47.6793


 53.9936, 77.3380,  
47.6793


392.2844,  
485.9157, 393.9915

 38.8272, 57.5303,  
33.2148


 95.2218, 129.6165,  
88.0873

 26.8054, 41.4312,  
22.0186


 122.0143,  
162.8561, 114.8679

 17.5630, 28.6562,  
13.6721


153.4129,  
201.3418, 146.5909

 10.7345, 18.8209,  
7.7568

189.7829,  
245.4580, 183.6749

 5.9546, 11.5409,  
3.8542

231.4897,  
295.5891, 226.5384

 2.8579, 6.4319,  
1.5457

278.8986,


 1.0790, 3.1094,


352.1195, 275.6000


0.2516


332.3751,  
415.4335, 331.2782


 0.0075, 1.1891,  
0.0000


 0.0000, 0.0528,  
0.0000


 53.9936, 77.3380,  
47.6793


 53.9936, 77.3380,  
47.6793


 47.9026, 74.4121,  
37.8191


 61.4166, 80.9151,  
59.4059


 43.0586, 72.0892,  
29.7242

 70.2380, 85.1691,  
73.0827

 39.3764, 70.3295,  
23.2919

 80.5268, 90.1361,  
88.7947

 36.7573, 69.0847,  
18.4065

 92.3460, 95.8468,  
106.6205

■ 35.0857, 68.2980,  
14.9377

■ 93.1672, 96.2344,  
108.2724

■ 34.2079, 67.8933,  
12.7333

■ 34.0969, 67.8423,  
12.4495

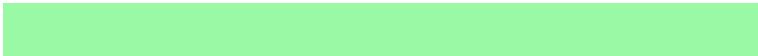
# Harmonies

## Analogous

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



63.0047, 77.3380, 32.5259



53.9936, 77.3380, 47.6793



50.2339, 77.3380, 77.4721

# Triad

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



53.9936, 77.3380, 47.6793



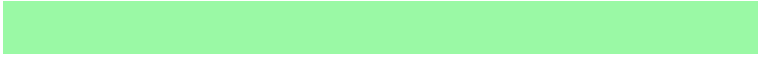
71.1162, 77.3380, 184.1282



100.1762, 77.3380, 56.3672

# Complementary

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



53.9936, 77.3380, 47.6793



66.0576, 49.4254, 86.9500

# 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.



103.0453, 77.3380, 91.3234



53.9936, 77.3380, 47.6793



85.1170, 77.3380, 173.1962

# Square

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



53.9936, 77.3380, 47.6793



59.3013, 77.3380, 162.2378



97.2337, 77.3380, 135.8071

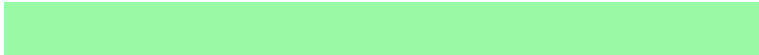


89.8185, 77.3380, 36.3381



# Rectangle

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



53.9936, 77.3380, 47.6793



50.8243, 77.3380, 104.9466



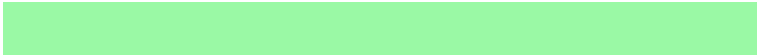
97.2337, 77.3380, 135.8071



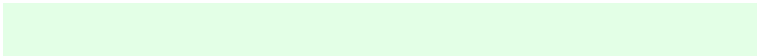
102.0987, 77.3380, 66.3989

# Sweetspot

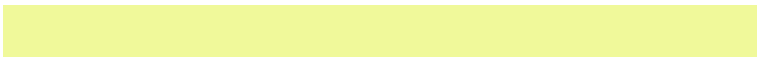
The Sweet Spot groups the original color and five complimentary colors.



53.9956, 77.3412, 47.6810



81.7336, 93.5671, 88.7614



75.4772, 88.5262, 43.6815



17.1721, 19.8716, 18.5074



0.0000, 0.0000, 0.0000

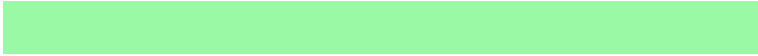


20.3446, 21.4041, 23.3091

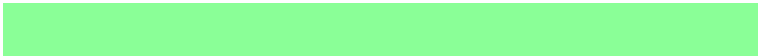


# Same Dimension

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



53.9956, 77.3412, 47.6810



51.8006, 79.1413, 41.9446



58.9621, 79.3279, 73.8344



17.0991, 19.3419, 18.7225



18.2765, 36.3236, 6.7995



1.7183, 3.3744, 0.7643



# Inverse Universe

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



66.0576, 49.4254, 86.9500



66.2250, 45.7268, 88.8814



60.1392, 47.0581, 55.7841



17.9014, 17.4879, 21.3364



27.8730, 13.5649, 37.6350

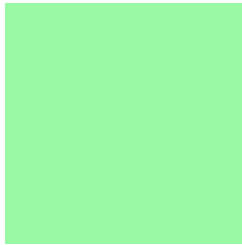


2.6053, 1.2659, 3.6110



# Previews

## White Background



This preview shows how the XYZ color 53.9936, 77.3380, 47.6793 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 53.9936, 77.3380, 47.6793 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 53.9936, 77.3380, 47.6793**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9936, 77.3380, 47.6793.



This preview shows how white text looks on a background with the XYZ color 53.9936, 77.3380,

47.6793.

# 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

53.9936, 77.3380, 47.6793

### Protanopia

70.7689, 76.1717, 41.9830

### Deuteranopia

76.2372, 76.2080, 59.9817



## Tritanopia

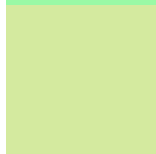
66.2387, 77.0185, 105.9826

# Trichromacy



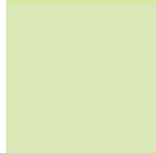
## Original Color

53.9936, 77.3380, 47.6793



## Protanomaly

62.8322, 75.3459, 44.0325



## Deuteranomaly

65.9329, 75.4347, 55.3413



## Tritanomaly

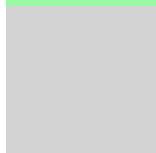
60.7886, 76.5094, 80.6711

# Monochromacy



## Original Color

53.9936, 77.3380, 47.6793



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

57.8980, 68.6926, 61.2464

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9936, 77.3380, 47.6793 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(154, 249, 165)` looks like.

```
.text, #text, p{  
    color:rgb(154, 249, 165)  
}
```

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(154, 249, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 249, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9936, 77.3380, 47.6793 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(154, 249, 165) }
```



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

```
.border{ border-color:rgb(154, 249, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 249, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 249, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 249, 165);  
box-shadow:4px 4px 4px 4px rgb(154, 249,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9936, 77.3380, 47.6793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 249, 165) }
```

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

```
.background{ background-color: rgb(154,  
249, 165) }
```

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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