

# Converting Colors

XYZ(53.9998, 74.7049, 52.5768)

Have a look what the booklet for  
XYZ(53.9998, 74.7049, 52.5768)  
contains.

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# Color

**XYZ(53.7917, 74.4039,  
52.6006)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9DF3B0
RGB	157, 243, 176
RGB Percent	62%, 95%, 69%
CMY	0.3843, 0.0470, 0.3098
CMYK	0.35, 0.00, 0.28, 0.05
HSL	133°, 78%, 78%
HSV	133°, 35%, 95%
XYZ	53.7917, 74.4039, 52.6006
YIQ	209.6480, -29.7490, -39.0690

# Conversions

## Conversions Part 2

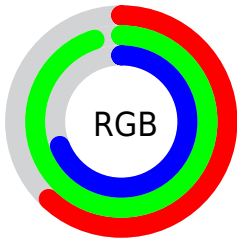
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 227, 243
Decimal	10351536
CIELab	89.11, -39.49, 24.30
CIELCh	89, 46.368, 148.396
Yxy	74.4039, 0.2975, 0.4115
Android (android.graphics.Color)	4288541616 (0xFF9DF3B0)
YUV	209.6480, -16.5885, -46.1723
Hunter-Lab	86.2577, -39.6355, 24.2249

# Details

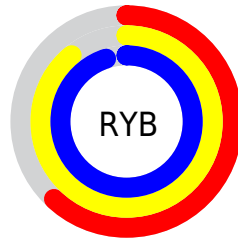
The XYZ color **53.7917, 74.4039, 52.6006** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.4761, 48.5520, 76.6025**, and the grayscale version is **61.1486, 64.3331, 70.0587**.

A 20% lighter version of the original color is **78.0570, 91.6423, 89.9186**, and **26.6135, 39.3727, 24.9359** is the 20% darker color. If you saturate the color by 10%, you get **47.7696, 71.5031, 43.2136**, and if you desaturate by 10%, it is **61.0218, 77.9015, 63.4110**.

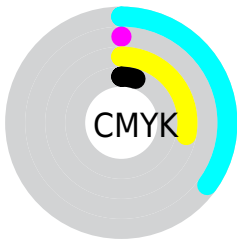
# Distribution



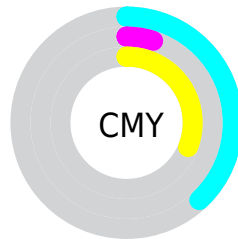
- Red (62%)
- Green (95%)
- Blue (69%)



- Red (62%)
- Yellow (89%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)



- Cyan (38%)
- Magenta (5%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7917, 74.4039, 52.6006 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 53.7917, 74.4039, 52.6006 by changing the saturation by 10% instead.





 53.7917, 74.4039,  
52.6006


 53.7917, 74.4039,  
52.6006


391.5265,  
475.8662, 413.7736

 38.6652, 55.1247,  
37.0985


 94.9270, 125.4682,  
95.4520

 26.6789, 39.5016,  
24.9874


 121.6665,  
158.0221, 123.6383

 17.4675, 27.1501,  
15.8487


153.0077,  
195.7696, 156.8898

 10.6658, 17.6860,  
9.2640

189.3159,  
239.0952, 195.6250

 5.9082, 10.7248,  
4.8146

230.9566,  
288.3833, 240.2625

 2.8295, 5.8821,  
2.0821


278.2950,


 1.0642, 2.7735,

344.0182, 291.2207

0.6051


331.6965,  
406.3844, 348.9182


 0.0000, 1.0147,  
0.0000


 0.0000, 0.0000,  
0.0000


 53.7917, 74.4039,  
52.6006


 53.7917, 74.4039,  
52.6006


 47.7696, 71.5031,  
43.2136


 61.0218, 77.9015,  
63.4110


 42.8827, 69.1564,  
35.1859

 69.5159, 82.0172,  
75.6955

 39.0594, 67.3304,  
28.4555

 79.3331, 86.7826,  
89.5087

 36.2170, 65.9839,  
22.9539

 90.5274, 92.2244,  
104.9005

■ 34.2604, 65.0694,  
18.6063

■ 91.3420, 92.5841,  
107.6640

■ 33.0735, 64.5289,  
15.3291

■ 32.7106, 64.3675,  
14.1518

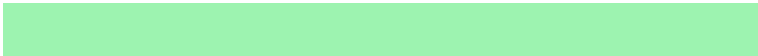
# Harmonies

## Analogous

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



60.8877, 74.4039, 37.7004



53.7917, 74.4039, 52.6006



51.1596, 74.4039, 79.2847

# Triad

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



53.7917, 74.4039, 52.6006



70.1125, 74.4039, 160.4228



91.5896, 74.4039, 54.8942

# Complementary

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



53.7917, 74.4039, 52.6006



62.4761, 48.5520, 76.6025

# 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.



94.7183, 74.4039, 82.7667



53.7917, 74.4039, 52.6006



81.5547, 74.4039, 148.9487

# Square

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



53.7917, 74.4039, 52.6006



59.9397, 74.4039, 146.3511



90.8692, 74.4039, 118.1641

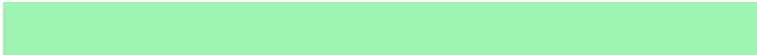


82.7181, 74.4039, 38.7556



# Rectangle

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



53.7917, 74.4039, 52.6006



52.0520, 74.4039, 102.2634



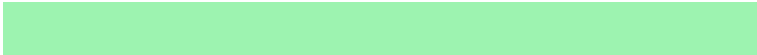
90.8692, 74.4039, 118.1641



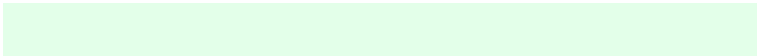
93.3868, 74.4039, 62.9318

# Sweetspot

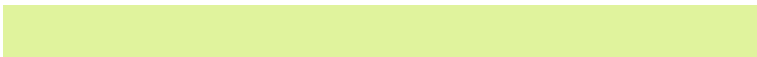
The Sweet Spot groups the original color and five complimentary colors.



53.7937, 74.4070, 52.6023



82.1518, 93.7344, 90.9637



68.9935, 82.4451, 44.1761



17.2710, 19.9112, 19.0283



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

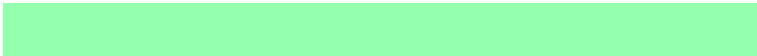


# Same Dimension

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



53.7937, 74.4070, 52.6023



55.3590, 80.7683, 51.4815



58.6954, 76.3677, 78.4146



16.4321, 18.5320, 18.2937



17.9930, 35.3420, 7.9828



1.6184, 3.1210, 0.8965



# Inverse Universe

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



62.4761, 48.5520, 76.6025



66.2859, 48.1971, 81.6613



57.3995, 46.5213, 49.8691



17.0477, 16.7019, 19.9979



25.3988, 12.5030, 27.8722

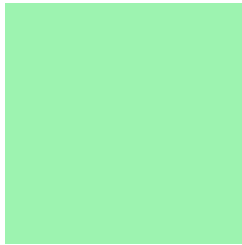


2.2701, 1.1140, 2.6485



# Previews

## White Background



This preview shows how the XYZ color 53.7917, 74.4039, 52.6006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

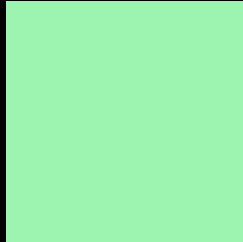
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7917, 74.4039, 52.6006 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 53.7917, 74.4039, 52.6006**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7917, 74.4039, 52.6006.



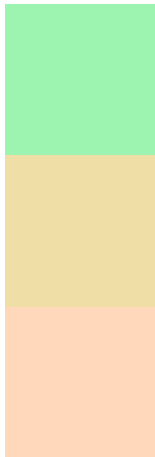
This preview shows how white text looks on a background with the XYZ color 53.7917, 74.4039,

52.6006.

# 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

53.7917, 74.4039, 52.6006

### Protanopia

68.9593, 73.9161, 47.1919

### Deuteranopia

74.5101, 73.4487, 57.2636



## Tritanopia

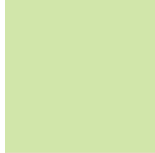
63.7229, 74.0768, 103.0352

# Trichromacy



## Original Color

53.7917, 74.4039, 52.6006



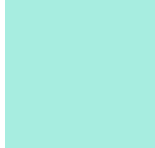
## Protanomaly

61.8470, 73.0512, 48.8708



## Deuteranomaly

64.6859, 72.3294, 55.3514



## Tritanomaly

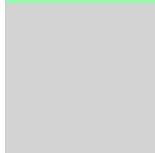
59.6751, 74.1657, 81.6912

# Monochromacy



## Original Color

53.7917, 74.4039, 52.6006



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

57.8002, 67.3961, 63.3884

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7917, 74.4039, 52.6006 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(157, 243, 176)` looks like.

```
.text, #text, p{  
    color:rgb(157, 243, 176)  
}
```

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(157, 243, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 243, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7917, 74.4039, 52.6006 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(157, 243, 176) }
```



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

```
.border{ border-color:rgb(157, 243, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 243, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 243, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 243, 176); box-shadow:4px 4px 4px 4px rgb(157, 243, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7917, 74.4039, 52.6006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 243, 176) }
```

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

```
.background{ background-color: rgb(157,  
243, 176) }
```

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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