

Converting Colors

XYZ(53.8587, 75.8332, 49.5937)

Have a look what the booklet for
XYZ(53.8587, 75.8332, 49.5937)
contains.

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Color

**XYZ(53.9218, 75.8817,
49.8349)**

Conversions

Conversions Part 1

Format	Color
Hex	9CF6AA
RGB	156, 246, 170
RGB Percent	61%, 96%, 67%
CMY	0.3882, 0.0353, 0.3333
CMYK	0.37, 0.00, 0.31, 0.04
HSL	129°, 83%, 79%
HSV	129°, 37%, 96%
XYZ	53.9218, 75.8817, 49.8349
YIQ	210.4260, -29.2440, -42.7160

Conversions

Conversions Part 2

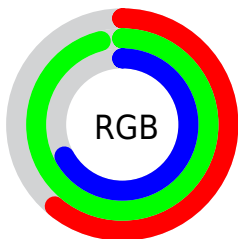
Format	Color
RYB	156, 234, 246
Decimal	10286762
CIELab	89.80, -42.14, 28.29
CIELCh	90, 50.754, 146.123
Yxy	75.8817, 0.3002, 0.4224
Android (android.graphics.Color)	4288476842 (0xFF9CF6AA)
YUV	210.4260, -19.9300, -47.7316
Hunter-Lab	87.1101, -41.9499, 27.0578

Details

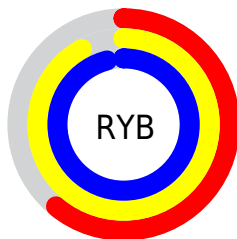
The XYZ color **53.9218, 75.8817, 49.8349** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.4625, 49.1976, 82.4454**, and the grayscale version is **61.6810, 64.8932, 70.6687**.

A 20% lighter version of the original color is **76.9280, 91.1571, 85.4921**, and **26.7753, 40.4462, 23.2253** is the 20% darker color. If you saturate the color by 10%, you get **47.8227, 72.9491, 40.0897**, and if you desaturate by 10%, it is **61.2994, 79.4419, 61.2641**.

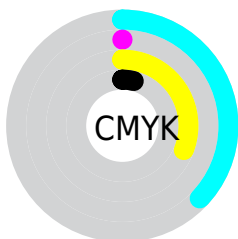
Distribution



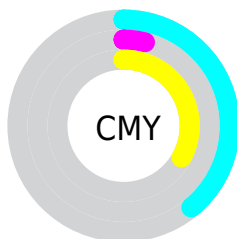
- Red (61%)
- Green (96%)
- Blue (67%)



- Red (61%)
- Yellow (92%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)





- Cyan (39%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.9218, 75.8817, 49.8349 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 53.9218, 75.8817, 49.8349 by changing the saturation by 10% instead.


 53.9218, 75.8817,
49.8349


 53.9218, 75.8817,
49.8349


392.0150,
480.9426, 402.7365

 38.7696, 56.3355,
34.9120


 95.1170, 127.5597,
91.3240

 26.7604, 40.4720,
23.3121


 121.8906,
160.4602, 118.7272

 17.5290, 27.9067,
14.6166


153.2688,
198.5810, 151.1277

 10.7100, 18.2554,
8.4072

189.6169,
242.3065, 188.9438

 5.9381, 11.1335,
4.2651

231.3002,
292.0210, 232.5942

 2.8477, 6.1567,
1.7719


278.6840,

 1.0738, 2.9406,


348.1089, 282.4975


0.4093


332.1338,
410.9547, 339.0720


 0.0030, 1.1008,
0.0000


 0.0000, 0.0000,
0.0000


 53.9218, 75.8817,
49.8349

 53.9218, 75.8817,
49.8349


 47.8227, 72.9491,
40.0897


 61.2994, 79.4419,
61.2641


 42.9230, 70.5984,
31.9441

 70.0169, 83.6532,
74.4464

 39.1442, 68.7932,
25.3139

 80.1387, 88.5494,
89.4530

 36.3955, 67.4886,
20.1055

 91.7232, 94.1595,
106.3499

■ 34.5717, 66.6327,
16.2143

■ 92.2472, 94.3944,
107.9657

■ 33.5430, 66.1609,
13.5216

■ 33.3114, 66.0561,
12.8509

Harmonies

Analogous

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



62.0322, 75.8817, 34.8836



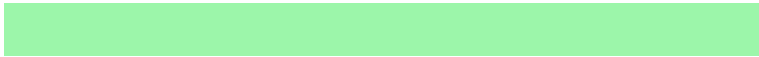
53.9218, 75.8817, 49.8349



50.6675, 75.8817, 78.0461

Triad

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



53.9218, 75.8817, 49.8349



70.5072, 75.8817, 172.2934



95.9756, 75.8817, 55.8262

Complementary

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



53.9218, 75.8817, 49.8349



64.4625, 49.1976, 82.4454

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.



98.9142, 75.8817, 87.3739



53.9218, 75.8817, 49.8349



83.2534, 75.8817, 161.2958

Square

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



53.9218, 75.8817, 49.8349



59.5163, 75.8817, 154.1208



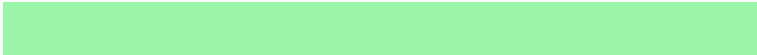
94.0191, 75.8817, 127.3330



86.3956, 75.8817, 37.5744

Rectangle

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



53.9218, 75.8817, 49.8349



51.3757, 75.8817, 103.2905



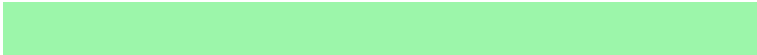
94.0191, 75.8817, 127.3330



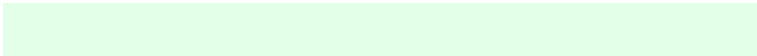
97.8172, 75.8817, 64.9133

Sweetspot

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



53.9238, 75.8849, 49.8366



81.8909, 93.6300, 89.5899



72.4008, 85.5551, 44.1511



17.2093, 19.8865, 18.7032



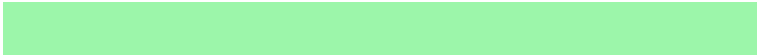
0.0000, 0.0000, 0.0000



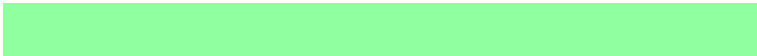
20.3446, 21.4041, 23.3091

Same Dimension

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



53.9238, 75.8849, 49.8366



53.4205, 79.8888, 45.9787



58.8699, 77.8633, 75.8825



16.3873, 18.5141, 18.0578



17.8118, 35.2695, 7.0286



1.5960, 3.1121, 0.7786

Inverse Universe

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



64.4625, 49.1976, 82.4454



66.3985, 46.9913, 86.1105



58.9200, 46.9806, 53.2591



17.0964, 16.7214, 20.2540



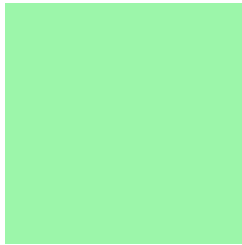
26.3884, 12.8988, 33.0835



2.3485, 1.1454, 3.0616

Previews

White Background



This preview shows how the XYZ color 53.9218, 75.8817, 49.8349 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 53.9218, 75.8817, 49.8349 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 53.9218, 75.8817, 49.8349

Background



This preview shows how black text looks on a background with the XYZ color 53.9218, 75.8817, 49.8349.

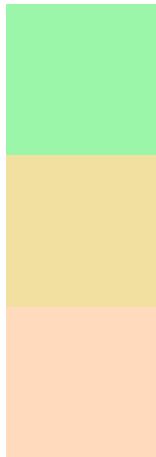


This preview shows how white text looks on a background with the XYZ color 53.9218, 75.8817,

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

53.9218, 75.8817, 49.8349

Protanopia

69.7066, 74.7618, 44.4747

Deuteranopia

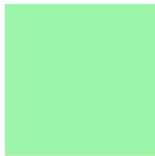
75.3885, 75.0336, 58.0865



Tritanopia

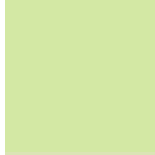
64.8313, 75.4567, 104.9135

Trichromacy



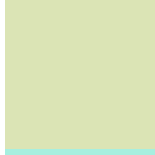
Original Color

53.9218, 75.8817, 49.8349



Protanomaly

62.4214, 74.2424, 46.1622



Deuteranomaly

65.2973, 73.8831, 54.5354



Tritanomaly

60.1221, 75.2762, 81.1730

Monochromacy



Original Color

53.9218, 75.8817, 49.8349



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.4732, 67.6626, 61.6608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9218, 75.8817, 49.8349 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(156, 246, 170)` looks like.

```
.text, #text, p{  
    color:rgb(156, 246, 170)  
}
```

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(156, 246, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 246, 170) }
```

Border

The CSS property to change the border of an element to XYZ 53.9218, 75.8817, 49.8349 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(156, 246, 170) }
```


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

```
.border{ border-color:rgb(156, 246, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 246, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 246, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 246, 170);  
box-shadow:4px 4px 4px 4px rgb(156, 246,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9218, 75.8817, 49.8349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 246, 170) }
```

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

```
.background{ background-color: rgb(156,  
246, 170) }
```

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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