

Converting Colors

XYZ(62.4588, 98.9896, 38.9368)

Have a look what the booklet for
XYZ(62.4588, 98.9896, 38.9368)
contains.

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Color

**XYZ(52.9664, 79.8769,
35.9187)**

Conversions

Conversions Part 1

Format	Color
Hex	97FF88
RGB	151, 255, 136
RGB Percent	59%, 100%, 53%
CMY	0.4078, 0.0000, 0.4667
CMYK	0.41, 0.00, 0.47, 0.00
HSL	112°, 100%, 77%
HSV	112°, 47%, 100%
XYZ	52.9664, 79.8769, 35.9187
YIQ	210.3380, -23.7850, -59.0570

Conversions

Conversions Part 2

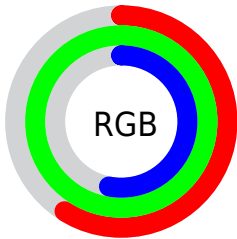
Format	Color
RYB	136, 255, 240
Decimal	9961352
CIELab	91.63, -52.46, 47.38
CIELCh	92, 70.689, 137.917
Yxy	79.8769, 0.3139, 0.4733
Android (android.graphics.Color)	4288151432 (0xFF97FF88)
YUV	210.3380, -36.6486, -52.0394
Hunter-Lab	89.3739, -50.6183, 38.7335

Details

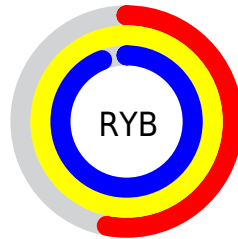
The XYZ color **52.9664, 79.8769, 35.9187** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.7908, 43.3550, 99.6667**, and the grayscale version is **61.7251, 64.9396, 70.7192**.

A 20% lighter version of the original color is **71.4585, 88.8369, 62.6712**, and **26.0418, 42.8842, 15.0885** is the 20% darker color. If you saturate the color by 10%, you get **47.6119, 77.3016, 27.3072**, and if you desaturate by 10%, it is **59.5345, 83.0280, 46.8396**.

Distribution



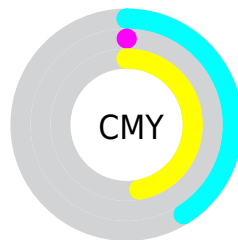
- Red (59%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (94%)



- Cyan (41%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9664, 79.8769, 35.9187 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 52.9664, 79.8769, 35.9187 by changing the saturation by 10% instead.


 52.9664, 79.8769,
35.9187


 52.9664, 79.8769,
35.9187


388.4192,
494.5179, 343.6317


 38.0033, 59.6171,
24.0822


 93.7207, 133.1926,
70.0742

 26.1625, 43.1100,
15.1819


 120.2427,
167.0173, 93.2303

 17.0786, 29.9715,
8.7991


 151.3484,
206.1324, 120.9967

 10.3862, 19.8169,
4.5153

187.4030,
250.9224, 153.7919

 5.7200, 12.2620,
1.9121

228.7721,
301.7715, 192.0344

 2.7146, 6.9224,
0.5004

275.8209,

 1.0047, 3.4136,

359.0641, 236.1429

0.0000

328.9148,
423.1848, 286.5358

0.0000, 1.3513,
0.0000

0.0000, 0.1804,
0.0000

52.9664, 79.8769,
35.9187

52.9664, 79.8769,
35.9187

47.6119, 77.3016,
27.3072

59.5345, 83.0280,
46.8396

43.3947, 75.2664,
20.8357

67.3840, 86.7866,
60.2155

40.2314, 73.7324,
16.3178

76.5786, 91.1826,
76.1846

38.0263, 72.6550,
13.5332

87.1776, 96.2440,
94.8736

■ 36.6650, 71.9812, 95.0500, 100.0000,
12.2055 108.9000

■ 36.3600, 71.8293,
11.9481

Harmonies

Analogous

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



65.7365, 79.8769, 22.5375



52.9664, 79.8769, 35.9187



46.7898, 79.8769, 67.7822

Triad

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



52.9664, 79.8769, 35.9187



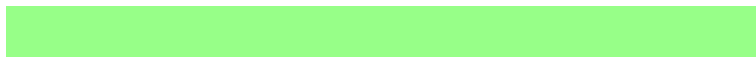
68.8853, 79.8769, 224.8608



113.9613, 79.8769, 59.8383

Complementary

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



52.9664, 79.8769, 35.9187



62.7908, 43.3550, 99.6667

Split Complementary

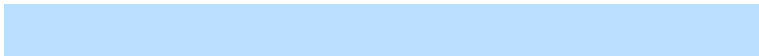
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.1642, 79.8769, 109.4804



52.9664, 79.8769, 35.9187



87.1057, 79.8769, 219.9641

Square

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



52.9664, 79.8769, 35.9187



54.9557, 79.8769, 183.5601



104.7005, 79.8769, 172.0389



101.6360, 79.8769, 32.0956

Rectangle

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



52.9664, 79.8769, 35.9187



46.4733, 79.8769, 101.3941



104.7005, 79.8769, 172.0389



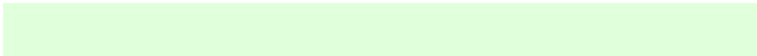
115.7434, 79.8769, 73.9874

Sweetspot

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



52.9667, 79.8770, 35.9199



79.2640, 92.4655, 80.8951



76.5898, 84.8490, 35.6345



16.4988, 19.5684, 16.4955



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

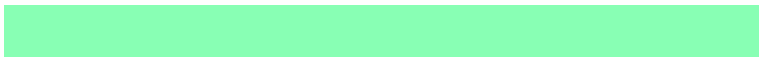
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.9667, 79.8770, 35.9199



47.9320, 77.4557, 27.8119



54.1150, 80.0350, 55.5817



17.9842, 20.2778, 19.1105



19.0645, 37.5662, 6.2462



1.9199, 3.6905, 0.6111

Inverse Universe

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



62.7908, 43.3550, 99.6667



58.7923, 36.8575, 98.6233



61.8487, 43.5909, 67.0242



18.5541, 18.1774, 22.7806



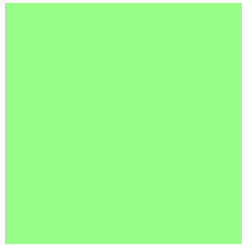
25.3989, 12.0041, 50.4129



2.5333, 1.1999, 4.9114

Previews

White Background



This preview shows how the XYZ color 52.9664, 79.8769, 35.9187 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 52.9664, 79.8769, 35.9187 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

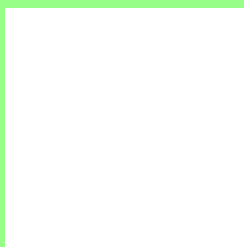
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.9664, 79.8769, 35.9187

Background



This preview shows how black text looks on a background with the XYZ color 52.9664, 79.8769, 35.9187.

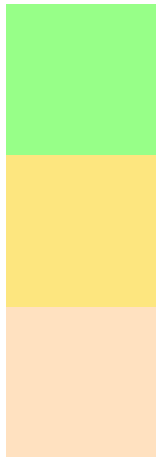


This preview shows how white text looks on a background with the XYZ color 52.9664, 79.8769,

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

52.9664, 79.8769, 35.9187

Protanopia

72.6356, 79.0086, 31.5005

Deuteranopia

77.6796, 78.9162, 61.0074



Tritanopia

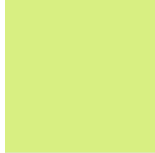
69.1662, 79.3921, 106.2865

Trichromacy



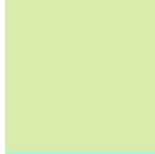
Original Color

52.9664, 79.8769, 35.9187



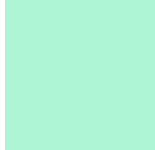
Protanomaly

63.2147, 77.9436, 32.8320



Deuteranomaly

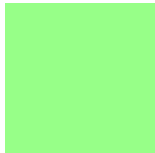
66.0571, 77.7212, 50.5498



Tritanomaly

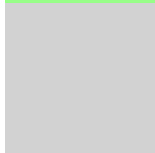
61.7697, 78.9425, 74.2692

Monochromacy



Original Color

52.9664, 79.8769, 35.9187



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.7299, 68.6304, 55.0568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9664, 79.8769, 35.9187 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(151, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 136)  
}
```

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(151, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 136) }
```

Border

The CSS property to change the border of an element to XYZ 52.9664, 79.8769, 35.9187 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(151, 255, 136) }
```


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

```
.border{ border-color:rgb(151, 255, 136) }
```

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

Here you see how a box with a 4 pixel rgb(151, 255, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9664, 79.8769, 35.9187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 136) }
```

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

```
.background{ background-color: rgb(151,  
255, 136) }
```

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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