

Converting Colors

XYZ(52.8774, 79.7894, 37.7943)

Have a look what the booklet for
XYZ(52.8774, 79.7894, 37.7943)
contains.

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Color

**XYZ(52.9621, 79.8326,
37.8171)**

Conversions

Conversions Part 1

Format	Color
Hex	95FF8D
RGB	149, 255, 141
RGB Percent	58%, 100%, 55%
CMY	0.4157, 0.0000, 0.4470
CMYK	0.42, 0.00, 0.45, 0.00
HSL	116°, 100%, 78%
HSV	116°, 45%, 100%
XYZ	52.9621, 79.8326, 37.8171
YIQ	210.3100, -26.5820, -57.9260

Conversions

Conversions Part 2

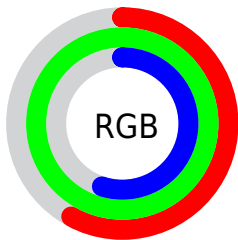
Format	Color
RYB	141, 255, 247
Decimal	9830285
CIELab	91.61, -52.39, 44.95
CIELCh	92, 69.029, 139.371
Yxy	79.8326, 0.3104, 0.4679
Android (android.graphics.Color)	4288020365 (0xFF95FF8D)
YUV	210.3100, -34.1698, -53.7689
Hunter-Lab	89.3491, -50.5542, 37.4498

Details

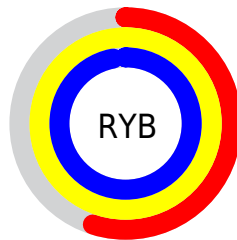
The XYZ color **52.9621, 79.8326, 37.8171** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.9339, 46.0452, 100.0203**, and the grayscale version is **61.6922, 64.9050, 70.6815**.

A 20% lighter version of the original color is **71.4559, 88.7709, 65.5929**, and **26.0421, 42.8612, 16.1330** is the 20% darker color. If you saturate the color by 10%, you get **47.3834, 77.1512, 28.7662**, and if you desaturate by 10%, it is **59.8591, 83.1431, 49.2121**.

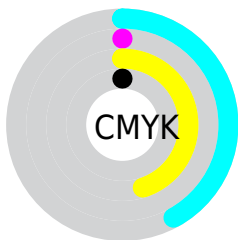
Distribution



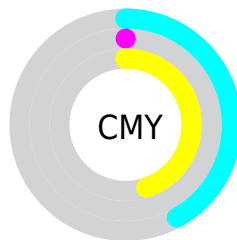
- Red (58%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (97%)



- Cyan (42%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9621, 79.8326, 37.8171 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 52.9621, 79.8326, 37.8171 by changing the saturation by 10% instead.


 52.9621, 79.8326,
37.8171

 52.9621, 79.8326,
37.8171


388.4029,
494.3685, 352.1094

 37.9999, 59.5806,
25.5400


 93.7145, 133.1304,
73.0280

 26.1598, 43.0807,
16.2572


 120.2353,
166.9449, 96.7990

 17.0765, 29.9484,
9.5500


151.3397,
206.0491, 125.2383

 10.3847, 19.7994,
5.0000

187.3931,
250.8273, 158.7645

 5.7190, 12.2493,
2.1885

228.7607,
301.6640, 197.7962

 2.7140, 6.9137,
0.6677

275.8080,

 1.0044, 3.4082,

358.9435, 242.7519

0.0000

328.9003,
423.0502, 294.0501

0.0000, 1.3484,
0.0000

0.0000, 0.1782,
0.0000

52.9621, 79.8326,
37.8171

52.9621, 79.8326,
37.8171

47.3834, 77.1512,
28.7662

59.8591, 83.1431,
49.2121

43.0375, 75.0585,
21.8930

68.1498, 87.1184,
63.0946

39.8309, 73.5100,
17.0154

77.9056, 91.7925,
79.6009

37.6560, 72.4551,
13.9203

89.1925, 97.1966,
98.8563

■ 36.3845, 71.8331, 95.0500, 100.0000,
12.3455 108.9000

■ 36.0074, 71.6475,
11.9316

Harmonies

Analogous

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



65.1873, 79.8326, 23.7620



52.9621, 79.8326, 37.8171



47.2151, 79.8326, 70.2288

Triad

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



52.9621, 79.8326, 37.8171



69.7999, 79.8326, 221.4022



112.5352, 79.8326, 58.5510

Complementary

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



52.9621, 79.8326, 37.8171



65.9339, 46.0452, 100.0203

Split Complementary

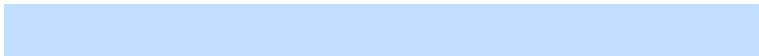
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



114.2824, 79.8326, 106.0755



52.9621, 79.8326, 37.8171



87.6790, 79.8326, 214.3394

Square

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



52.9621, 79.8326, 37.8171



55.8877, 79.8326, 183.3081



104.6029, 79.8326, 166.6425



100.1447, 79.8326, 32.1248

Rectangle

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



52.9621, 79.8326, 37.8171



47.1210, 79.8326, 103.6988



104.6029, 79.8326, 166.6425



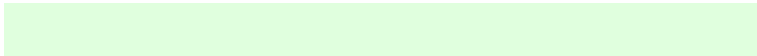
114.4521, 79.8326, 72.0637

Sweetspot

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



52.9625, 79.8328, 37.8183



79.7197, 92.6613, 82.6856



78.8519, 88.7911, 38.1829



16.5624, 19.5934, 16.8465



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.



52.9625, 79.8328, 37.8183



47.7351, 77.3204, 29.3307



55.8763, 80.8355, 60.5189



17.8895, 20.2290, 19.1060



18.8576, 37.4595, 6.2365



1.8753, 3.6675, 0.6091

Inverse Universe

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



65.9339, 46.0452, 100.0203



62.2210, 39.4862, 98.9499



62.0892, 44.8402, 64.7359



18.6595, 18.2317, 22.7856



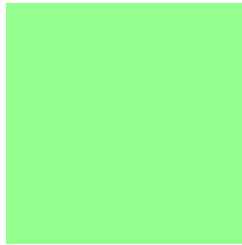
27.7532, 13.2178, 50.5231



2.7384, 1.3056, 4.9210

Previews

White Background



This preview shows how the XYZ color 52.9621, 79.8326, 37.8171 looks on a white background.

Color Contrast Check

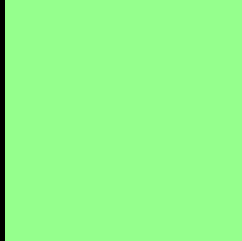
Large Text (above 18pt) WCAG AA × Fail

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 52.9621, 79.8326, 37.8171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

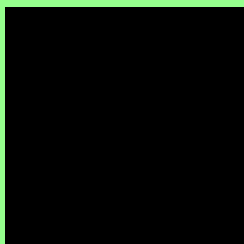
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

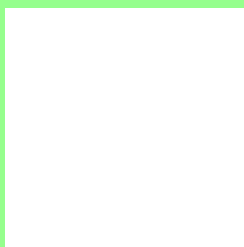
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.9621, 79.8326, 37.8171

Background



This preview shows how black text looks on a background with the XYZ color 52.9621, 79.8326, 37.8171.

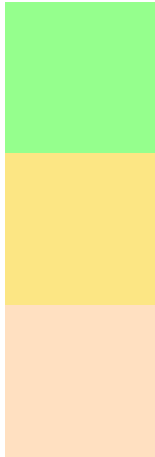


This preview shows how white text looks on a background with the XYZ color 52.9621, 79.8326,

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

52.9621, 79.8326, 37.8171

Protanopia

72.6066, 78.9550, 33.2429

Deuteranopia

77.5213, 78.4216, 61.5031



Tritanopia

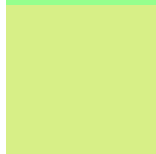
68.9241, 79.2673, 106.2752

Trichromacy



Original Color

52.9621, 79.8326, 37.8171



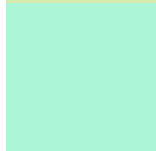
Protanomaly

63.2640, 77.9293, 34.6292



Deuteranomaly

65.6672, 77.0716, 51.4597



Tritanomaly

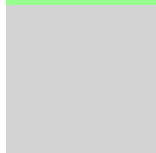
61.8033, 78.9305, 75.5961

Monochromacy



Original Color

52.9621, 79.8326, 37.8171



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.6924, 68.5869, 56.1495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9621, 79.8326, 37.8171 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(149, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 141)  
}
```

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(149, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 52.9621, 79.8326, 37.8171 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(149, 255, 141) }
```


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

```
.border{ border-color:rgb(149, 255, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9621, 79.8326, 37.8171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 141) }
```

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

```
.background{ background-color: rgb(149,  
255, 141) }
```

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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