

Converting Colors

XYZ(52.8947, 79.8314, 36.3000)

Have a look what the booklet for
XYZ(52.8947, 79.8314, 36.3000)
contains.

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Color

**XYZ(52.8530, 79.8102,
36.2862)**

Conversions

Conversions Part 1

Format	Color
Hex	96FF89
RGB	150, 255, 137
RGB Percent	59%, 100%, 54%
CMY	0.4118, 0.0000, 0.4627
CMYK	0.41, 0.00, 0.46, 0.00
HSL	113°, 100%, 77%
HSV	113°, 46%, 100%
XYZ	52.8530, 79.8102, 36.2862
YIQ	210.1530, -24.7020, -58.9580

Conversions

Conversions Part 2

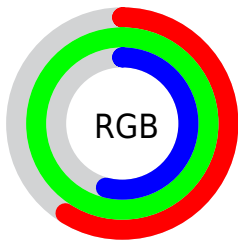
Format	Color
RYB	137, 255, 242
Decimal	9895817
CIELab	91.60, -52.63, 46.85
CIELCh	92, 70.464, 138.322
Yxy	79.8102, 0.3128, 0.4724
Android (android.graphics.Color)	4288085897 (0xFF96FF89)
YUV	210.1530, -36.0644, -52.7542
Hunter-Lab	89.3366, -50.7354, 38.4535

Details

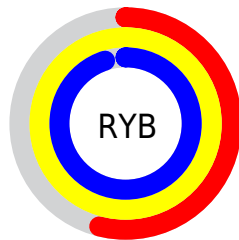
The XYZ color **52.8530, 79.8102, 36.2862** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.6151, 43.9900, 99.7458**, and the grayscale version is **61.5999, 64.8079, 70.5758**.

A 20% lighter version of the original color is **71.2869, 88.7357, 63.2397**, and **25.9801, 42.8479, 15.2887** is the 20% darker color. If you saturate the color by 10%, you get **47.4556, 77.2146, 27.5874**, and if you desaturate by 10%, it is **59.4919, 82.9957, 47.3017**.

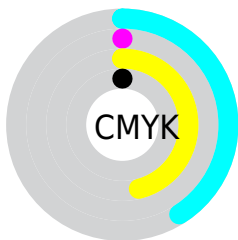
Distribution



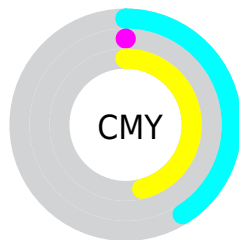
- Red (59%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (95%)



- Cyan (41%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)



- Cyan (41%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8530, 79.8102, 36.2862 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 52.8530, 79.8102, 36.2862 by changing the saturation by 10% instead.

52.8530, 79.8102,
36.2862

52.8530, 79.8102,
36.2862

387.9910,
494.2930, 345.2849

37.9124, 59.5622,
24.3639

93.5548, 133.0989,
70.6476

26.0916, 43.0658,
15.3891

120.0468,
166.9083, 93.9237

17.0253, 29.9368,
8.9433

151.1200,
206.0069, 121.8216

10.3479, 19.7906,
4.6079

187.1397,
250.7793, 154.7596

5.6943, 12.2429,
1.9644

228.4713,
301.6096, 193.1564

2.6990, 6.9093,
0.5333

275.4801,

0.9966, 3.4055,

358.8825, 237.4306

0.0000

328.5316,
422.9821, 288.0005

0.0000, 1.3469,
0.0000

0.0000, 0.1771,
0.0000

52.8530, 79.8102,
36.2862

52.8530, 79.8102,
36.2862

47.4556, 77.2146,
27.5874

59.4919, 82.9957,
47.3017

43.2208, 75.1721,
21.0365

67.4422, 86.8041,
60.7791

40.0623, 73.6421,
16.4479

76.7698, 91.2665,
76.8563

37.8810, 72.5784,
13.6029

87.5360, 96.4117,
95.6596

■ 36.5588, 71.9258, 95.0500, 100.0000,
12.2291 108.9000

■ 36.2413, 71.7681,
11.9425

Harmonies

Analogous

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



65.4993, 79.8102, 22.7194



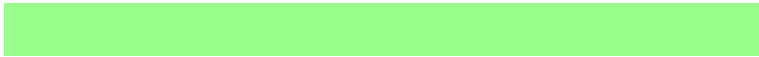
52.8530, 79.8102, 36.2862



46.7859, 79.8102, 68.3580

Triad

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



52.8530, 79.8102, 36.2862



69.0717, 79.8102, 224.4115



113.6409, 79.8102, 59.3411

Complementary

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



52.8530, 79.8102, 36.2862



63.6151, 43.9900, 99.7458

Split Complementary

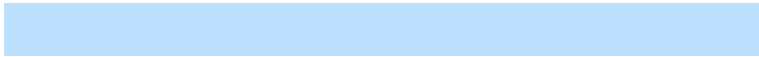
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.0040, 79.8102, 108.5234



52.8530, 79.8102, 36.2862



87.2533, 79.8102, 218.8675

Square

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



52.8530, 79.8102, 36.2862



55.1111, 79.8102, 183.8216



104.7221, 79.8102, 170.7724



101.2485, 79.8102, 31.9393

Rectangle

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



52.8530, 79.8102, 36.2862



46.5315, 79.8102, 102.0334



104.7221, 79.8102, 170.7724



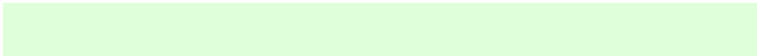
115.4688, 79.8102, 73.3418

Sweetspot

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



52.8533, 79.8103, 36.2874



79.0888, 92.3752, 80.8869



77.2801, 86.1153, 36.2170



16.4568, 19.5467, 16.4935



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

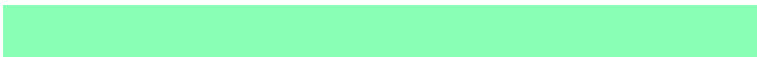
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.8533, 79.8103, 36.2874



47.5872, 77.2780, 27.7957



54.5449, 80.2258, 56.9939



17.9573, 20.2639, 19.1092



18.9960, 37.5309, 6.2430



1.9072, 3.6840, 0.6106

Inverse Universe

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



63.6151, 43.9900, 99.7458



59.5544, 37.2504, 98.6589



61.7901, 43.7938, 66.0177



18.5840, 18.1928, 22.7820



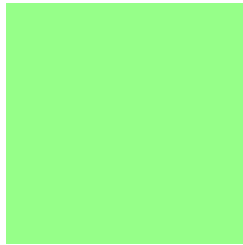
26.0489, 12.3392, 50.4434



2.5902, 1.2292, 4.9140

Previews

White Background



This preview shows how the XYZ color 52.8530, 79.8102, 36.2862 looks on a white background.

Color Contrast Check

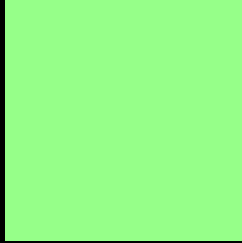
Large Text (above 18pt) WCAG AA × Fail

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 52.8530, 79.8102, 36.2862 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 52.8530, 79.8102, 36.2862

Background



This preview shows how black text looks on a background with the XYZ color 52.8530, 79.8102, 36.2862.



This preview shows how white text looks on a background with the XYZ color 52.8530, 79.8102,

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

52.8530, 79.8102, 36.2862

Protanopia

72.3380, 78.8476, 31.8286

Deuteranopia

77.4101, 78.3771, 60.9175



Tritanopia

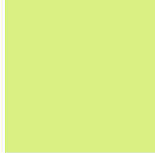
68.9241, 79.2673, 106.2752

Trichromacy



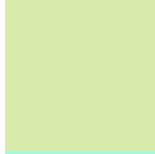
Original Color

52.8530, 79.8102, 36.2862



Protanomaly

62.9876, 77.8188, 33.1735



Deuteranomaly

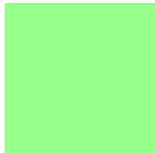
65.7700, 77.1469, 50.4541



Tritanomaly

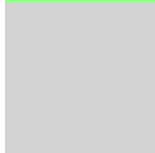
61.5493, 78.8289, 74.2589

Monochromacy



Original Color

52.8530, 79.8102, 36.2862



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.4826, 68.5030, 55.0452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8530, 79.8102, 36.2862 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(150, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 137)  
}
```

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(150, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 52.8530, 79.8102, 36.2862 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(150, 255, 137) }
```


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

```
.border{ border-color:rgb(150, 255, 137) }
```

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

Here you see how a box with a 4 pixel rgb(150, 255, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8530, 79.8102, 36.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 137) }
```

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

```
.background{ background-color: rgb(150,  
255, 137) }
```

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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