

Converting Colors

XYZ(61.8822, 100.0000,
33.9950)

Have a look what the booklet for
XYZ(61.8822, 100.0000, 33.9950)
contains.

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Color

**XYZ(51.6056, 79.2900,
30.6738)**

Conversions

Conversions Part 1

Format	Color
Hex	95FF79
RGB	149, 255, 121
RGB Percent	58%, 100%, 47%
CMY	0.4157, 0.0000, 0.5255
CMYK	0.42, 0.00, 0.53, 0.00
HSL	107°, 100%, 74%
HSV	107°, 53%, 100%
XYZ	51.6056, 79.2900, 30.6738
YIQ	208.0300, -20.1620, -64.1460

Conversions

Conversions Part 2

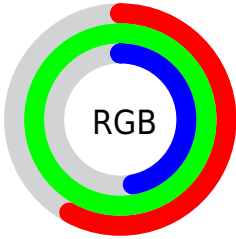
Format	Color
RYB	121, 255, 227
Decimal	9830265
CIELab	91.37, -54.88, 54.00
CIELCh	91, 76.994, 135.461
Yxy	79.2900, 0.3194, 0.4907
Android (android.graphics.Color)	4288020345 (0xFF95FF79)
YUV	208.0300, -42.9058, -51.7693
Hunter-Lab	89.0449, -52.3797, 41.9075

Details

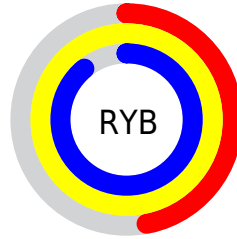
The XYZ color **51.6056, 79.2900, 30.6738** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **56.5675, 37.2271, 98.8119**, and the grayscale version is **60.2524, 63.3902, 69.0319**.

A 20% lighter version of the original color is **69.6089, 88.0645, 54.4037**, and **25.1958, 42.5114, 12.1878** is the 20% darker color. If you saturate the color by 10%, you get **46.8757, 77.0091, 23.3406**, and if you desaturate by 10%, it is **57.3868, 82.0652, 40.2156**.

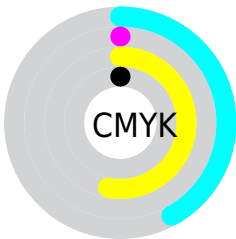
Distribution



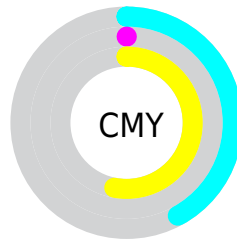
- Red (58%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6056, 79.2900, 30.6738 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 51.6056, 79.2900, 30.6738 by changing the saturation by 10% instead.


 51.6056, 79.2900,
30.6738

 51.6056, 79.2900,
30.6738

383.2611,
492.5369, 319.3372


 36.9138, 59.1343,
20.0942


 91.7270, 132.3670,
61.7997

 25.3141, 42.7212,
12.2788


 117.8873,
166.0572, 83.1830

 16.4412, 29.6664,
6.8090


 148.6012,
205.0275, 109.0047

 9.9297, 19.5855,
3.2663

184.2339,
249.6625, 139.6833

 5.4143, 12.0941,
1.2322

225.1509,
300.3466, 175.6373

 2.5296, 6.8078,
0.0052

271.7176,

 0.9102, 3.3422,

357.4640, 217.2853

0.0000

324.2992,
421.3993, 265.0457

0.0000, 1.3129,
0.0000

0.0000, 0.1512,
0.0000

51.6056, 79.2900,
30.6738

51.6056, 79.2900,
30.6738

46.8757, 77.0091,
23.3406

57.3868, 82.0652,
40.2156

43.1301, 75.1917,
18.0352

64.2786, 85.3617,
52.1203

40.2946, 73.8041,
14.5547

72.3369, 89.2052,
66.5323

38.2833, 72.8072,
12.6517

81.6132, 93.6195,
83.5837

■ 37.2429, 72.2845,
11.9894

■ 92.1562, 98.6270,
103.3971

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



65.7735, 79.2900, 18.5659



51.6056, 79.2900, 30.6738



44.5013, 79.2900, 62.0149

Triad

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



51.6056, 79.2900, 30.6738



66.3087, 79.2900, 238.2276



117.7407, 79.2900, 60.6822

Complementary

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



51.6056, 79.2900, 30.6738



56.5675, 37.2271, 98.8119

Split Complementary

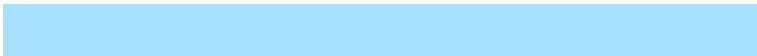
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



117.9517, 79.2900, 116.2994



51.6056, 79.2900, 30.6738



85.8414, 79.2900, 237.3464

Square

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



51.6056, 79.2900, 30.6738



51.9387, 79.2900, 188.1311



105.4787, 79.2900, 186.0792



104.9443, 79.2900, 30.0633

Rectangle

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



51.6056, 79.2900, 30.6738



43.7776, 79.2900, 96.9962



105.4787, 79.2900, 186.0792



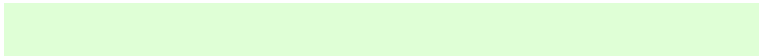
119.3509, 79.2900, 76.4820

Sweetspot

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



51.6059, 79.2902, 30.6750



78.2698, 92.0295, 77.3905



71.8789, 77.0156, 29.1675



16.3415, 19.5023, 15.8075



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.



51.6059, 79.2902, 30.6750



46.6855, 76.9171, 23.0581



49.9011, 78.0874, 45.2293



18.1261, 20.3509, 19.1171



19.5588, 37.8210, 6.2693



1.9901, 3.7267, 0.6144

Inverse Universe

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



56.5675, 37.2271, 98.8119



52.0352, 30.7282, 97.7963



60.6067, 39.9472, 70.1854



18.3992, 18.0975, 22.7734



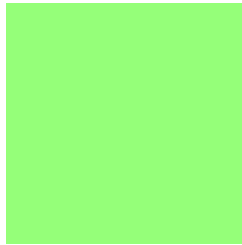
22.2481, 10.3798, 50.2655



2.2550, 1.0564, 4.8983

Previews

White Background



This preview shows how the XYZ color 51.6056, 79.2900, 30.6738 looks on a white background.

Color Contrast Check

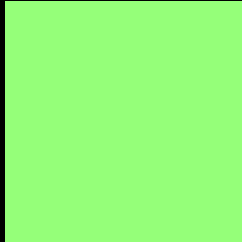
Large Text (above 18pt) WCAG AA × Fail

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 51.6056, 79.2900, 30.6738 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

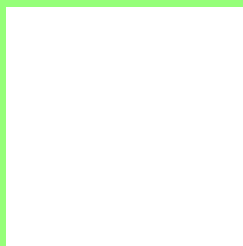
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6056, 79.2900, 30.6738

Background



This preview shows how black text looks on a background with the XYZ color 51.6056, 79.2900, 30.6738.



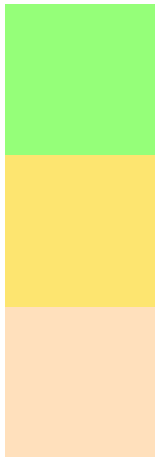
This preview shows how white text looks on a background with the XYZ color 51.6056, 79.2900,

30.6738.

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

51.6056, 79.2900, 30.6738

Protanopia

71.4520, 78.0911, 26.6364

Deuteranopia

76.9728, 78.2021, 58.6146



Tritanopia

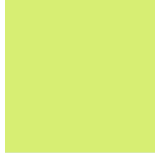
68.3917, 78.5594, 106.1666

Trichromacy



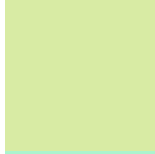
Original Color

51.6056, 79.2900, 30.6738



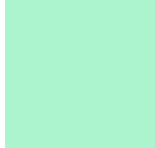
Protanomaly

61.6934, 76.8339, 27.7985



Deuteranomaly

64.7281, 76.6959, 46.5142



Tritanomaly

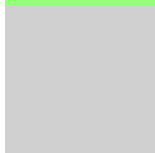
60.2858, 77.8155, 70.2350

Monochromacy



Original Color

51.6056, 79.2900, 30.6738



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2552, 67.5498, 51.2005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6056, 79.2900, 30.6738 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 121) }
```

Border

The CSS property to change the border of an element to XYZ 51.6056, 79.2900, 30.6738 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, 121) }
```


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

```
.border{ border-color:rgb(149, 255, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 255, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 255, 121); box-shadow:4px 4px 4px 4px rgb(149, 255, 121) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6056, 79.2900, 30.6738 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, 121) }
```

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

```
.background{ background-color: rgb(149,  
255, 121) }
```

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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