

Converting Colors

XYZ(86.6306, 147.8883,
42.3104)

Have a look what the booklet for
XYZ(86.6306, 147.8883, 42.3104)
contains.

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Color

**XYZ(52.5993, 79.7952,
31.0421)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFF7A
RGB	154, 255, 122
RGB Percent	60%, 100%, 48%
CMY	0.3961, 0.0000, 0.5216
CMYK	0.40, 0.00, 0.52, 0.00
HSL	106°, 100%, 74%
HSV	106°, 52%, 100%
XYZ	52.5993, 79.7952, 31.0421
YIQ	209.6390, -17.5030, -62.7750

Conversions

Conversions Part 2

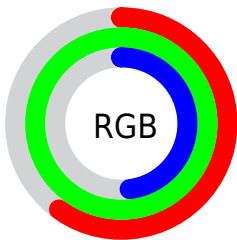
Format	Color
RYB	122, 255, 223
Decimal	10157946
CIELab	91.59, -53.26, 53.87
CIELCh	92, 75.755, 134.671
Yxy	79.7952, 0.3218, 0.4882
Android (android.graphics.Color)	4288348026 (0xFF9AFF7A)
YUV	209.6390, -43.2060, -48.7954
Hunter-Lab	89.3282, -51.2177, 41.9261

Details

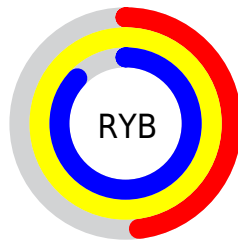
The XYZ color **52.5993, 79.7952, 31.0421** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **55.4424, 36.8285, 98.7942**, and the grayscale version is **61.3041, 64.4967, 70.2369**.

A 20% lighter version of the original color is **71.1364, 88.8405, 54.9936**, and **26.0613, 43.2923, 12.4515** is the 20% darker color. If you saturate the color by 10%, you get **47.8277, 77.4945, 23.6255**, and if you desaturate by 10%, it is **58.3806, 82.5684, 40.6718**.

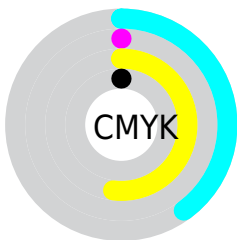
Distribution



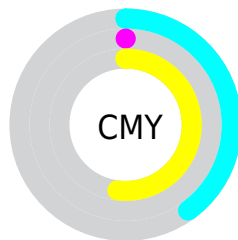
- Red (60%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5993, 79.7952, 31.0421 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 52.5993, 79.7952, 31.0421 by changing the saturation by 10% instead.


 52.5993, 79.7952,
31.0421

 52.5993, 79.7952,
31.0421


387.0320,
494.2424, 321.0894

 37.7092, 59.5498,
20.3722


 93.1835, 133.0778,
62.3867

 25.9332, 43.0559,
12.4791


 119.6083,
166.8837, 83.8985

 16.9061, 29.9290,
6.9444


 150.6086,
205.9787, 109.8612

 10.2625, 19.7847,
3.3494

186.5500,
250.7471, 140.6936

 5.6369, 12.2386,
1.2757

227.7976,
301.5732, 176.8140

 2.6641, 6.9064,
0.0418

274.7169,

 0.9787, 3.4036,

358.8416, 218.6411

0.0000

327.6733,
422.9365, 266.5934

0.0000, 1.3459,
0.0000

0.0000, 0.1763,
0.0000

52.5993, 79.7952,
31.0421

52.5993, 79.7952,
31.0421

47.8277, 77.4945,
23.6255

58.3806, 82.5684,
40.6718

44.0033, 75.6382,
18.2423

65.2269, 85.8394,
52.6679

41.0573, 74.1950,
14.6909

73.1903, 89.6318,
67.1743

38.9099, 73.1292,
12.7266

82.3190, 93.9677,
84.3226

■ 37.7060, 72.5232,
12.0111

■ 92.6586, 98.8680,
104.2348

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.



66.8137, 79.7952, 19.2345



52.5993, 79.7952, 31.0421



45.3489, 79.7952, 61.6731

Triad

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



52.5993, 79.7952, 31.0421



66.4359, 79.7952, 235.2769



117.7786, 79.7952, 62.6167

Complementary

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



52.5993, 79.7952, 31.0421



55.4424, 36.8285, 98.7942

Split Complementary

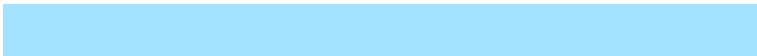
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



117.6306, 79.7952, 118.1692



52.5993, 79.7952, 31.0421



85.6510, 79.7952, 235.8916

Square

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



52.5993, 79.7952, 31.0421



52.3634, 79.7952, 185.2570



105.0880, 79.7952, 186.6915



105.4633, 79.7952, 31.4790

Rectangle

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



52.5993, 79.7952, 31.0421



44.5034, 79.7952, 95.8434



105.0880, 79.7952, 186.6915



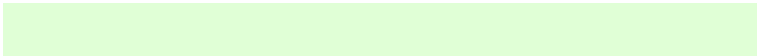
119.2442, 79.7952, 78.5000

Sweetspot

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



52.5996, 79.7953, 31.0433



78.6685, 92.2351, 77.4092



70.8083, 74.7756, 29.1147



16.4355, 19.5508, 15.8119



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

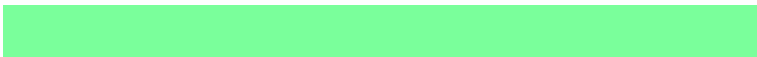
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.5996, 79.7953, 31.0433



47.4690, 77.3210, 23.0948



49.7242, 78.0329, 43.5629



18.1807, 20.3791, 19.1197



19.8126, 37.9519, 6.2812



2.0219, 3.7431, 0.6159

Inverse Universe

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



55.4424, 36.8285, 98.7942



50.5064, 29.9401, 97.7248



61.3514, 40.4406, 73.5046



18.3405, 18.0673, 22.7706



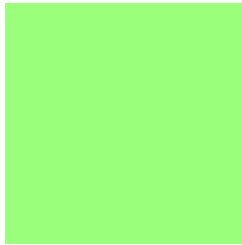
21.1506, 9.8140, 50.2141



2.1568, 1.0058, 4.8937

Previews

White Background



This preview shows how the XYZ color 52.5993, 79.7952, 31.0421 looks on a white background.

Color Contrast Check

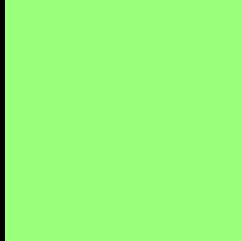
Large Text (above 18pt) WCAG AA × Fail

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 52.5993, 79.7952, 31.0421 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

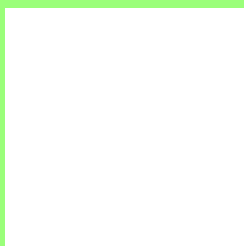
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5993, 79.7952, 31.0421

Background



This preview shows how black text looks on a background with the XYZ color 52.5993, 79.7952, 31.0421.



This preview shows how white text looks on a background with the XYZ color 52.5993, 79.7952,

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

52.5993, 79.7952, 31.0421

Protanopia

72.2071, 78.8794, 27.3391

Deuteranopia

77.4595, 78.8281, 59.8480



Tritanopia

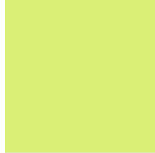
69.4100, 79.5178, 106.2979

Trichromacy



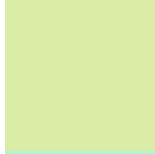
Original Color

52.5993, 79.7952, 31.0421



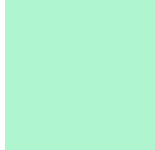
Protanomaly

62.9908, 77.9228, 28.5503



Deuteranomaly

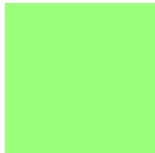
65.7004, 77.6129, 47.1153



Tritanomaly

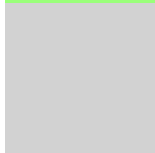
61.5941, 78.9238, 71.0189

Monochromacy



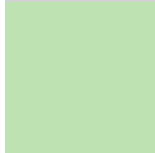
Original Color

52.5993, 79.7952, 31.0421



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.4674, 68.5542, 52.3756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5993, 79.7952, 31.0421 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(154, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 122)  
}
```

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(154, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 122) }
```

Border

The CSS property to change the border of an element to XYZ 52.5993, 79.7952, 31.0421 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(154, 255, 122) }
```


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

```
.border{ border-color:rgb(154, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5993, 79.7952, 31.0421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 122) }
```

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

```
.background{ background-color: rgb(154,  
255, 122) }
```

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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