

Converting Colors

XYZ(62.7906, 100.0000,
35.3351)

Have a look what the booklet for
XYZ(62.7906, 100.0000, 35.3351)
contains.

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Color

**XYZ(52.7881, 79.8707,
32.0364)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFF7D
RGB	154, 255, 125
RGB Percent	60%, 100%, 49%
CMY	0.3961, 0.0000, 0.5098
CMYK	0.40, 0.00, 0.51, 0.00
HSL	107°, 100%, 75%
HSV	107°, 51%, 100%
XYZ	52.7881, 79.8707, 32.0364
YIQ	209.9810, -18.4660, -61.8420

Conversions

Conversions Part 2

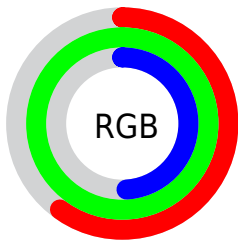
Format	Color
RYB	125, 255, 226
Decimal	10157949
CIELab	91.63, -52.91, 52.54
CIELCh	92, 74.569, 135.203
Yxy	79.8707, 0.3205, 0.4850
Android (android.graphics.Color)	4288348029 (0xFF9AFF7D)
YUV	209.9810, -41.8956, -49.0953
Hunter-Lab	89.3704, -50.9643, 41.3057

Details

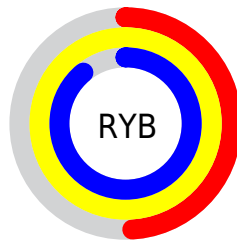
The XYZ color **52.7881, 79.8707, 32.0364** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **56.7491, 38.0574, 98.9625**, and the grayscale version is **61.5210, 64.7249, 70.4854**.

A 20% lighter version of the original color is **71.4388, 88.9614, 56.5861**, and **26.1877, 43.3428, 13.1167** is the 20% darker color. If you saturate the color by 10%, you get **47.8979, 77.5143, 24.3683**, and if you desaturate by 10%, it is **58.7195, 82.7154, 41.9381**.

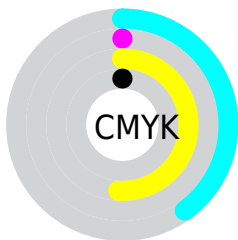
Distribution



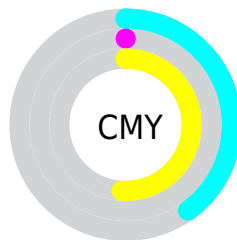
- Red (60%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7881, 79.8707, 32.0364 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 52.7881, 79.8707, 32.0364 by changing the saturation by 10% instead.


 52.7881, 79.8707,
32.0364


 52.7881, 79.8707,
32.0364


387.7458,
494.4970, 325.7829


 37.8604, 59.6120,
21.1243


 93.4599, 133.1839,
63.9667

 26.0511, 43.1059,
13.0227


 119.9347,
167.0072, 85.8220

 16.9948, 29.9682,
7.3133


 150.9892,
206.1208, 112.1620

 10.3260, 19.8145,
3.5774

186.9889,
250.9091, 143.4054

 5.6796, 12.2603,
1.3965

228.2990,
301.7564, 179.9706

 2.6900, 6.9212,
0.1390

275.2850,

 0.9921, 3.4129,

359.0473, 222.2762

0.0000

328.3121,
423.1660, 270.7408

0.0000, 1.3509,
0.0000

0.0000, 0.1801,
0.0000

52.7881, 79.8707,
32.0364

52.7881, 79.8707,
32.0364

47.8979, 77.5143,
24.3683

58.7195, 82.7154,
41.9381

43.9847, 75.6172,
18.7565

65.7487, 86.0744,
54.2249

40.9781, 74.1472,
15.0032

73.9293, 89.9723,
69.0394

38.7970, 73.0678,
12.8695

83.3111, 94.4317,
86.5118

■ 37.4405, 72.3863,
11.9986

93.9406, 99.4742,
106.7637

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.



66.7139, 79.8707, 19.9551



52.7881, 79.8707, 32.0364



45.7367, 79.8707, 62.8433

Triad

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



52.7881, 79.8707, 32.0364



66.9437, 79.8707, 232.8129



117.0042, 79.8707, 62.2679

Complementary

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



52.7881, 79.8707, 32.0364



56.7491, 38.0574, 98.9625

Split Complementary

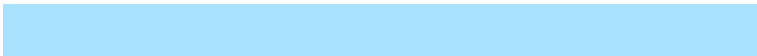
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



117.0937, 79.8707, 116.5842



52.7881, 79.8707, 32.0364



85.9249, 79.8707, 232.4428

Square

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



52.7881, 79.8707, 32.0364



52.9320, 79.8707, 184.5924



104.9673, 79.8707, 183.7272



104.7401, 79.8707, 31.7675

Rectangle

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



52.7881, 79.8707, 32.0364



44.9824, 79.8707, 96.8233



104.9673, 79.8707, 183.7272



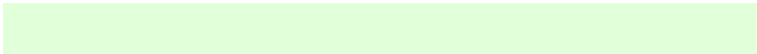
118.5188, 79.8707, 77.8008

Sweetspot

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



52.7884, 79.8708, 32.0376



79.3912, 92.5697, 79.1587



71.7773, 76.4116, 30.3691



16.5702, 19.6127, 16.1560



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

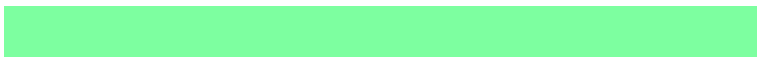
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.7884, 79.8708, 32.0376



47.8886, 77.5099, 24.3544



50.5342, 78.4068, 45.5768



18.1504, 20.3635, 19.1182



19.6674, 37.8770, 6.2744



2.0039, 3.7338, 0.6151

Inverse Universe

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



56.7491, 38.0574, 98.9625



52.1617, 31.4922, 97.9371



61.5367, 41.1132, 72.6348



18.3730, 18.0840, 22.7722



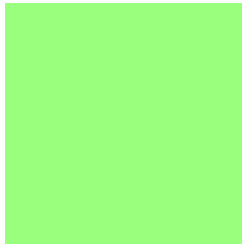
21.7513, 10.1237, 50.2422



2.2106, 1.0335, 4.8963

Previews

White Background



This preview shows how the XYZ color 52.7881, 79.8707, 32.0364 looks on a white background.

Color Contrast Check

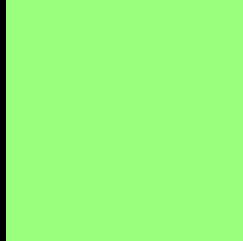
Large Text (above 18pt) WCAG AA × Fail

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 52.7881, 79.8707, 32.0364 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

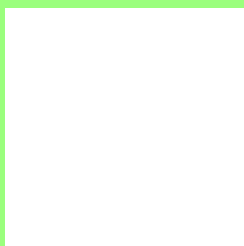
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.7881, 79.8707, 32.0364

Background



This preview shows how black text looks on a background with the XYZ color 52.7881, 79.8707, 32.0364.



This preview shows how white text looks on a background with the XYZ color 52.7881, 79.8707,

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

52.7881, 79.8707, 32.0364

Protanopia

72.3808, 78.9488, 28.2534

Deuteranopia

77.5692, 78.8720, 60.4257



Tritanopia

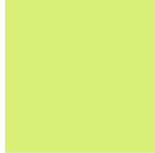
69.4100, 79.5178, 106.2979

Trichromacy



Original Color

52.7881, 79.8707, 32.0364



Protanomaly

63.1701, 77.9945, 29.4943



Deuteranomaly

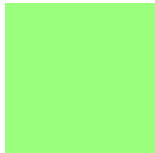
65.8839, 77.6864, 48.0817



Tritanomaly

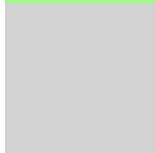
61.7168, 78.9728, 71.6650

Monochromacy



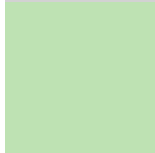
Original Color

52.7881, 79.8707, 32.0364



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.5682, 68.5945, 52.9064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7881, 79.8707, 32.0364 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 52.7881, 79.8707, 32.0364 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, 125) }
```


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

```
.border{ border-color:rgb(154, 255, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7881, 79.8707, 32.0364 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, 125) }
```

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

```
.background{ background-color: rgb(154,  
255, 125) }
```

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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