

Converting Colors

XYZ(58.1332, 84.3934, 38.2615)

Have a look what the booklet for
XYZ(58.1332, 84.3934, 38.2615)
contains.

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Color

**XYZ(56.9299, 81.8781,
38.0028)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FF8D
RGB	169, 255, 141
RGB Percent	66%, 100%, 55%
CMY	0.3373, 0.0000, 0.4470
CMYK	0.34, 0.00, 0.45, 0.00
HSL	105°, 100%, 78%
HSV	105°, 45%, 100%
XYZ	56.9299, 81.8781, 38.0028
YIQ	216.2900, -14.6620, -53.6860

Conversions

Conversions Part 2

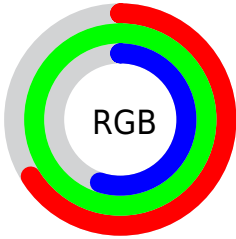
Format	Color
RYB	141, 255, 227
Decimal	11141005
CIELab	92.52, -46.29, 46.29
CIELCh	93, 65.464, 134.999
Yxy	81.8781, 0.3220, 0.4631
Android (android.graphics.Color)	4289331085 (0xFFA9FF8D)
YUV	216.2900, -37.1180, -41.4733
Hunter-Lab	90.4865, -46.0475, 38.4398

Details

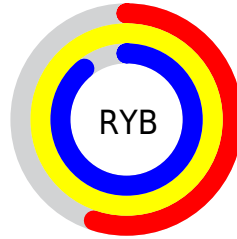
The XYZ color **56.9299, 81.8781, 38.0028** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.2547, 42.6020, 99.7077**, and the grayscale version is **65.7201, 69.1427, 75.2964**.

A 20% lighter version of the original color is **77.4024, 91.8364, 65.8712**, and **28.7656, 44.6035, 16.3257** is the 20% darker color. If you saturate the color by 10%, you get **51.4177, 79.2310, 28.9550**, and if you desaturate by 10%, it is **63.4869, 85.0133, 49.3819**.

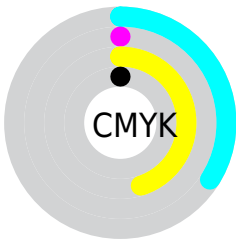
Distribution



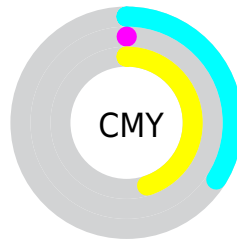
- Red (66%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (89%)



- Cyan (34%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9299, 81.8781, 38.0028 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 56.9299, 81.8781, 38.0028 by changing the saturation by 10% instead.


 56.9299, 81.8781,
38.0028

 56.9299, 81.8781,
38.0028


403.2050,
501.2399, 352.9305

 41.1889, 61.2651,
25.6830


 99.4948, 136.0030,
73.3159

 28.6550, 44.4391,
16.3630


 127.0495,
170.2837, 97.1463

 18.9630, 31.0159,
9.6243


159.2727,
209.8891, 125.6506

 11.7474, 20.6109,
5.0482

196.5299,
255.2035, 159.2475

 6.6429, 12.8399,
2.2163

239.1863,
306.6114, 198.3553

 3.2841, 7.3184,
0.6838

287.6074,

 1.3057, 3.6620,

364.4972, 243.3928

0.0000

342.1585,
429.2452, 294.7783

■ 0.1875, 1.4864,
0.0000

■ 0.0000, 0.2791,
0.0000

■ 56.9299, 81.8781,
38.0028

■ 56.9299, 81.8781,
38.0028

■ 51.4177, 79.2310,
28.9550

■ 63.4869, 85.0133,
49.3819

■ 46.8924, 77.0458,
22.0734

■ 71.1398, 88.6598,
63.2345

■ 43.2918, 75.2942,
17.1774

■ 79.9378, 92.8401,
79.6960

■ 40.5451, 73.9445,
14.0555

■ 89.9264, 97.5749,
98.8907

■ 38.5695, 72.9596, 95.0500, 100.0000,
12.4478 108.9000

■ 37.7862, 72.5645,
12.0148

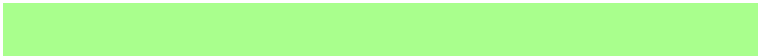
Harmonies

Analogous

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



69.6690, 81.8781, 25.8696



56.9299, 81.8781, 38.0028



50.3363, 81.8781, 67.0582

Triad

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



56.9299, 81.8781, 38.0028



69.6683, 81.8781, 213.5258



113.8421, 81.8781, 67.0601

Complementary

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



56.9299, 81.8781, 38.0028



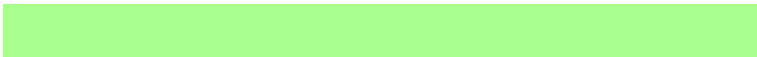
59.2547, 42.6020, 99.7077

Split Complementary

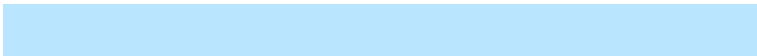
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.8418, 81.8781, 115.6312



56.9299, 81.8781, 38.0028



86.5889, 81.8781, 213.5270

Square

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



56.9299, 81.8781, 38.0028



56.9294, 81.8781, 173.0380



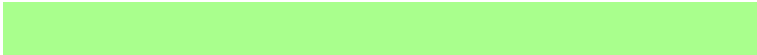
103.2881, 81.8781, 173.0406



103.2888, 81.8781, 38.0038

Rectangle

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



56.9299, 81.8781, 38.0028



49.6001, 81.8781, 97.5569



103.2881, 81.8781, 173.0406



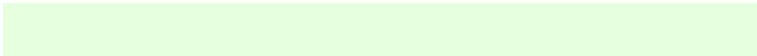
115.1212, 81.8781, 81.2430

Sweetspot

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



56.9303, 81.8783, 38.0040



81.5551, 93.6075, 82.7715



73.3807, 77.8486, 36.3592



17.0093, 19.8238, 16.8674



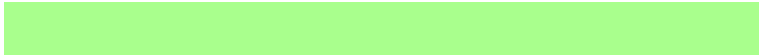
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

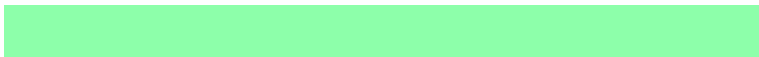
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.9303, 81.8783, 38.0040



51.7731, 79.4021, 29.5197



53.9537, 80.0665, 50.3945



18.1894, 20.3835, 19.1201



19.8563, 37.9744, 6.2833



2.0272, 3.7458, 0.6162

Inverse Universe

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



59.2547, 42.6020, 99.7077



54.3203, 35.4132, 98.5802



64.5616, 45.8292, 77.7554



18.3313, 18.0625, 22.7702



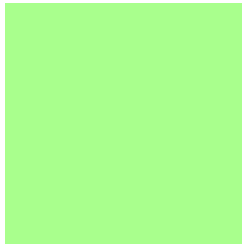
20.9819, 9.7271, 50.2062



2.1416, 0.9980, 4.8930

Previews

White Background



This preview shows how the XYZ color 56.9299, 81.8781, 38.0028 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 56.9299, 81.8781, 38.0028 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

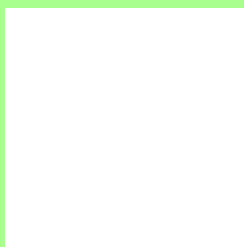
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.9299, 81.8781, 38.0028

Background



This preview shows how black text looks on a background with the XYZ color 56.9299, 81.8781, 38.0028.

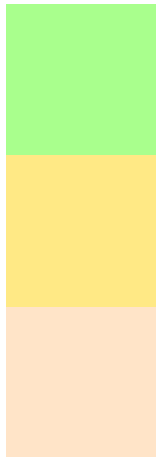


This preview shows how white text looks on a background with the XYZ color 56.9299, 81.8781,

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

56.9299, 81.8781, 38.0028

Protanopia

74.6126, 81.2313, 33.9370

Deuteranopia

79.4087, 80.9169, 66.0768



Tritanopia

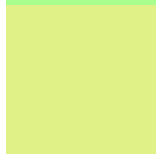
72.4697, 81.0951, 106.4411

Trichromacy



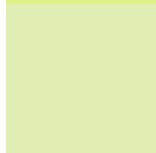
Original Color

56.9299, 81.8781, 38.0028



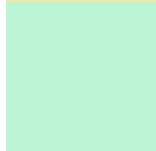
Protanomaly

66.6397, 80.5355, 35.3252



Deuteranomaly

69.4517, 80.2510, 54.4773



Tritanomaly

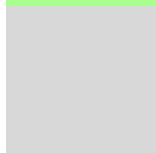
65.5290, 80.8512, 75.7704

Monochromacy



Original Color

56.9299, 81.8781, 38.0028



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.0353, 72.4099, 58.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9299, 81.8781, 38.0028 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(169, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 56.9299, 81.8781, 38.0028 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(169, 255, 141) }
```


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

```
.border{ border-color:rgb(169, 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(169, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9299, 81.8781, 38.0028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 141) }
```

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

```
.background{ background-color: rgb(169,  
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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