

Converting Colors

XYZ(74.8567, 118.2088,
44.3016)

Have a look what the booklet for
XYZ(74.8567, 118.2088, 44.3016)
contains.

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Color

**XYZ(56.5788, 81.6885,
38.3766)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FF8E
RGB	167, 255, 142
RGB Percent	65%, 100%, 56%
CMY	0.3451, 0.0000, 0.4431
CMYK	0.35, 0.00, 0.44, 0.00
HSL	107°, 100%, 78%
HSV	107°, 44%, 100%
XYZ	56.5788, 81.6885, 38.3766
YIQ	215.8060, -16.1750, -53.7990

Conversions

Conversions Part 2

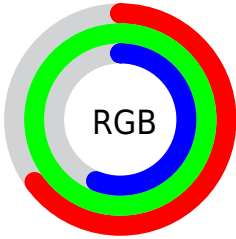
Format	Color
RYB	142, 255, 230
Decimal	11009934
CIELab	92.44, -46.80, 45.69
CIELCh	92, 65.399, 135.688
Yxy	81.6885, 0.3203, 0.4624
Android (android.graphics.Color)	4289200014 (0xFFA7FF8E)
YUV	215.8060, -36.3864, -42.8029
Hunter-Lab	90.3817, -46.4272, 38.0923

Details

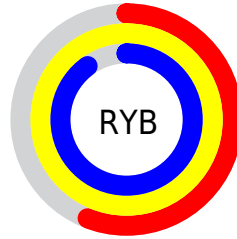
The XYZ color **56.5788, 81.6885, 38.3766** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.3575, 43.3904, 99.8017**, and the grayscale version is **65.3856, 68.7907, 74.9131**.

A 20% lighter version of the original color is **76.8894, 91.5588, 66.4434**, and **28.5528, 44.4889, 16.5335** is the 20% darker color. If you saturate the color by 10%, you get **50.9997, 79.0088, 29.2391**, and if you desaturate by 10%, it is **63.2408, 84.8757, 49.8530**.

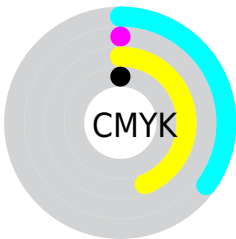
Distribution



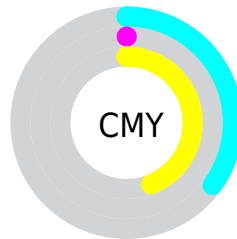
- Red (65%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (90%)



- Cyan (35%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5788, 81.6885, 38.3766 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 56.5788, 81.6885, 38.3766 by changing the saturation by 10% instead.


 56.5788, 81.6885,
38.3766

 56.5788, 81.6885,
38.3766


401.9089,
500.6051, 354.5792

 40.9060, 61.1088,
25.9710


 98.9853, 135.7371,
73.8948

 28.4330, 44.3130,
16.5764


 126.4496,
169.9748, 97.8445

 18.7944, 30.9166,
9.7742


158.5752,
209.5339, 126.4794

 11.6249, 20.5354,
5.1458

195.7273,
254.7989, 160.2178

 6.5592, 12.7848,
2.2729

238.2714,
306.1541, 199.4785

 3.2319, 7.2805,
0.7160

286.5728,

 1.2775, 3.6382,

363.9840, 244.6800

0.0000

340.9968,
428.6728, 296.2407

■ 0.1663, 1.4733,
0.0000

■ 0.0000, 0.2698,
0.0000

■ 56.5788, 81.6885,
38.3766

■ 56.5788, 81.6885,
38.3766

■ 50.9997, 79.0088,
29.2391

■ 63.2408, 84.8757,
49.8530

■ 46.4430, 76.8091,
22.2761

■ 71.0394, 88.5952,
63.8103

■ 42.8433, 75.0596,
17.3077

■ 80.0261, 92.8705,
80.3833

■ 40.1265, 73.7268,
14.1236

■ 90.2487, 97.7236,
99.6963

■ 38.2062, 72.7715, 95.0500, 100.0000,
12.4662 108.9000

■ 37.4140, 72.3727,
11.9974

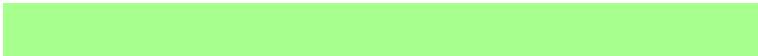
Harmonies

Analogous

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



69.1591, 81.6885, 25.9484



56.5788, 81.6885, 38.3766



50.1507, 81.6885, 67.8089

Triad

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



56.5788, 81.6885, 38.3766



69.8612, 81.6885, 213.5056



113.4363, 81.6885, 66.0182

Complementary

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



56.5788, 81.6885, 38.3766



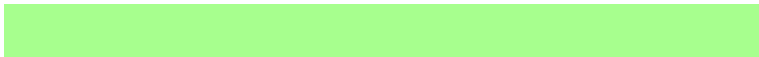
60.3575, 43.3904, 99.8017

Split Complementary

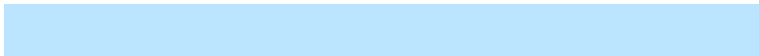
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.6973, 81.6885, 114.0714



56.5788, 81.6885, 38.3766



86.7927, 81.6885, 212.4673

Square

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



56.5788, 81.6885, 38.3766



57.0281, 81.6885, 173.8452



103.3758, 81.6885, 171.3794



102.7075, 81.6885, 37.4788

Rectangle

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



56.5788, 81.6885, 38.3766



49.5174, 81.6885, 98.5202



103.3758, 81.6885, 171.3794



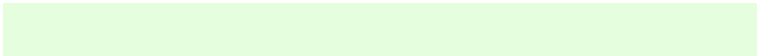
114.7983, 81.6885, 80.0111

Sweetspot

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



56.5791, 81.6886, 38.3778



81.2964, 93.4741, 82.7594



74.0409, 79.0494, 36.9481



16.9462, 19.7913, 16.8645



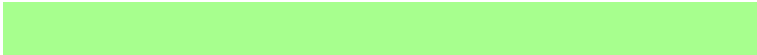
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

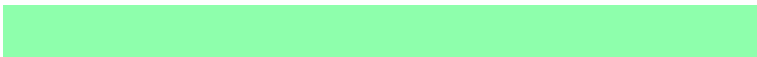
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.5791, 81.6886, 38.3778



51.6724, 79.3326, 30.3109



54.3753, 80.2548, 51.7229



18.1473, 20.3618, 19.1181



19.6529, 37.8695, 6.2737



2.0020, 3.7328, 0.6150

Inverse Universe

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



60.3575, 43.3904, 99.8017



55.8316, 36.6408, 98.7375



64.4860, 46.0359, 76.6265



18.3764, 18.0858, 22.7723



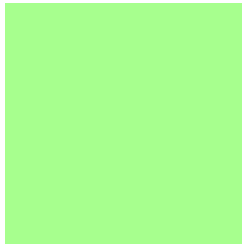
21.8153, 10.1567, 50.2452



2.2164, 1.0365, 4.8965

Previews

White Background



This preview shows how the XYZ color 56.5788, 81.6885, 38.3766 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 56.5788, 81.6885, 38.3766 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

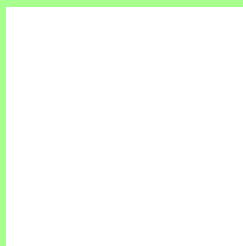
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.5788, 81.6885, 38.3766

Background



This preview shows how black text looks on a background with the XYZ color 56.5788, 81.6885, 38.3766.

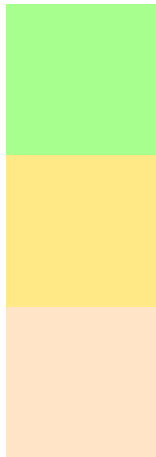


This preview shows how white text looks on a background with the XYZ color 56.5788, 81.6885,

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

56.5788, 81.6885, 38.3766

Protanopia

74.3997, 80.6945, 34.2086

Deuteranopia

79.4087, 80.9169, 66.0768



Tritanopia

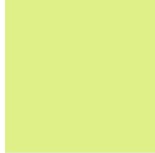
72.2052, 80.9588, 106.4287

Trichromacy



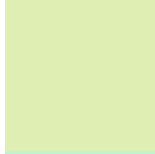
Original Color

56.5788, 81.6885, 38.3766



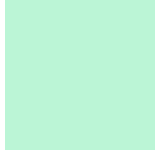
Protanomaly

66.1069, 79.8143, 35.5884



Deuteranomaly

69.1426, 80.0917, 54.4629



Tritanomaly

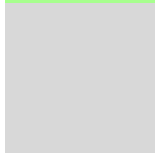
65.2835, 80.7247, 75.7589

Monochromacy



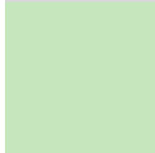
Original Color

56.5788, 81.6885, 38.3766



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

60.7708, 72.2735, 58.8913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5788, 81.6885, 38.3766 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(167, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 142)  
}
```

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(167, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 56.5788, 81.6885, 38.3766 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(167, 255, 142) }
```


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

```
.border{ border-color:rgb(167, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5788, 81.6885, 38.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 142) }
```

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

```
.background{ background-color: rgb(167,  
255, 142) }
```

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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