

Converting Colors

XYZ(56.5703, 81.7207, 36.7231)

Have a look what the booklet for
XYZ(56.5703, 81.7207, 36.7231)
contains.

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Color

**XYZ(56.4959, 81.6798,
36.8329)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FF8A
RGB	168, 255, 138
RGB Percent	66%, 100%, 54%
CMY	0.3412, 0.0000, 0.4588
CMYK	0.34, 0.00, 0.46, 0.00
HSL	105°, 100%, 77%
HSV	105°, 46%, 100%
XYZ	56.4959, 81.6798, 36.8329
YIQ	215.6490, -14.2950, -54.8310

Conversions

Conversions Part 2

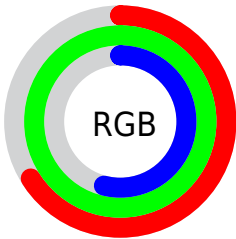
Format	Color
RYB	138, 255, 225
Decimal	11075466
CIELab	92.43, -46.99, 47.60
CIElCh	92, 66.883, 134.628
Yxy	81.6798, 0.3228, 0.4667
Android (android.graphics.Color)	4289265546 (0xFFA8FF8A)
YUV	215.6490, -38.2810, -41.7882
Hunter-Lab	90.3769, -46.5766, 39.1003

Details

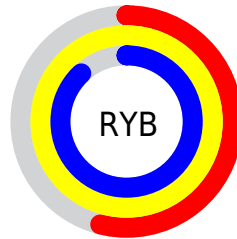
The XYZ color **56.4959, 81.6798, 36.8329** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.1911, 41.4059, 99.5329**, and the grayscale version is **65.2902, 68.6904, 74.8039**.

A 20% lighter version of the original color is **76.7497, 91.5390, 64.0757**, and **28.3893, 44.4236, 15.6727** is the 20% darker color. If you saturate the color by 10%, you get **51.1142, 79.0943, 28.0493**, and if you desaturate by 10%, it is **62.9004, 84.7425, 47.9290**.

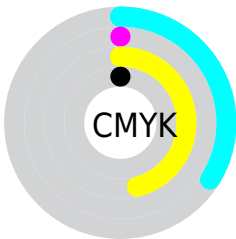
Distribution



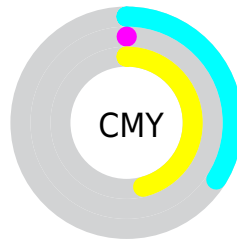
- Red (66%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (88%)



- Cyan (34%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4959, 81.6798, 36.8329 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 56.4959, 81.6798, 36.8329 by changing the saturation by 10% instead.


 56.4959, 81.6798,
36.8329

 56.4959, 81.6798,
36.8329


401.6025,
500.5760, 347.7334


 40.8392, 61.1016,
24.7834


 98.8649, 135.7249,
71.4992

 28.3806, 44.3072,
15.6982


 126.3079,
169.9606, 94.9530

 18.7547, 30.9121,
9.1588


 158.4104,
209.5176, 123.0453

 11.5961, 20.5319,
4.7467

195.5377,
254.7803, 156.1947

 6.5395, 12.7823,
2.0433

238.0552,
306.1331, 194.8196

 3.2196, 7.2788,
0.5817

286.3283,

 1.2709, 3.6371,

363.9604, 239.3387

0.0000

340.7222,
428.6466, 290.1704

0.1613, 1.4727,
0.0000

0.0000, 0.2694,
0.0000

56.4959, 81.6798,
36.8329

56.4959, 81.6798,
36.8329

51.1142, 79.0943,
28.0493

62.9004, 84.7425,
47.9290

46.6981, 76.9601,
21.4111

70.3783, 88.3053,
61.4813

43.1859, 75.2493,
16.7347

78.9779, 92.3901,
77.6263

40.5074, 73.9306,
13.8044

88.7443, 97.0174,
96.4895

■ 38.5797, 72.9670, 95.0500, 100.0000,
12.3524 108.9000

■ 37.9653, 72.6569,
12.0232

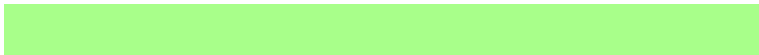
Harmonies

Analogous

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



69.5180, 81.6798, 24.8601



56.4959, 81.6798, 36.8329



49.7285, 81.6798, 65.9567

Triad

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



56.4959, 81.6798, 36.8329



69.1302, 81.6798, 216.3681



114.5533, 81.6798, 66.9427

Complementary

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



56.4959, 81.6798, 36.8329



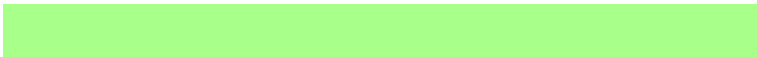
58.1911, 41.4059, 99.5329

Split Complementary

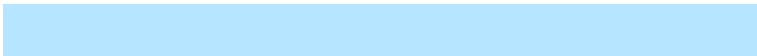
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



114.4082, 81.6798, 116.7132



56.4959, 81.6798, 36.8329



86.3588, 81.6798, 216.9491

Square

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



56.4959, 81.6798, 36.8329



56.2486, 81.6798, 174.2522



103.4798, 81.6798, 175.6284



103.8510, 81.6798, 37.3221

Rectangle

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



56.4959, 81.6798, 36.8329



48.9275, 81.6798, 96.8612



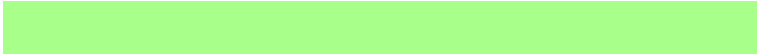
103.4798, 81.6798, 175.6284



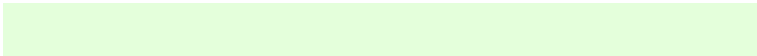
115.8173, 81.6798, 81.4543

Sweetspot

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



56.4963, 81.6800, 36.8341



80.7246, 93.2185, 80.9634



72.4298, 76.2994, 34.9558



16.8503, 19.7496, 16.5119



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.



56.4963, 81.6800, 36.8341



51.5488, 79.3036, 28.7346



53.0609, 79.6512, 48.3195



18.2081, 20.3932, 19.1209



19.9537, 38.0246, 6.2878



2.0390, 3.7519, 0.6167

Inverse Universe

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



58.1911, 41.4059, 99.5329



53.3779, 34.4909, 98.4518



64.2910, 45.0227, 78.4829



18.3113, 18.0522, 22.7693



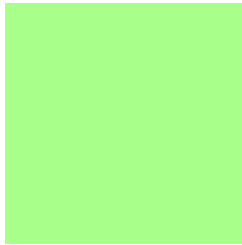
20.6237, 9.5424, 50.1895



2.1094, 0.9813, 4.8915

Previews

White Background



This preview shows how the XYZ color 56.4959, 81.6798, 36.8329 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 56.4959, 81.6798, 36.8329 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

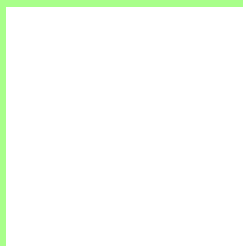
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.4959, 81.6798, 36.8329

Background



This preview shows how black text looks on a background with the XYZ color 56.4959, 81.6798, 36.8329.



This preview shows how white text looks on a background with the XYZ color 56.4959, 81.6798,

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

56.4959, 81.6798, 36.8329

Protanopia

74.1259, 80.5849, 32.7667

Deuteranopia

79.2922, 80.8703, 65.4632



Tritanopia

72.2052, 80.9588, 106.4287

Trichromacy



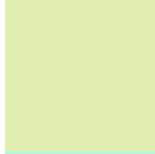
Original Color

56.4959, 81.6798, 36.8329



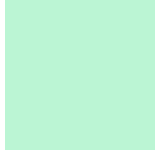
Protanomaly

65.8252, 79.7016, 34.1049



Deuteranomaly

68.9418, 80.0114, 53.4051



Tritanomaly

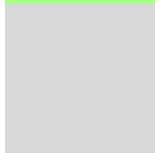
65.0296, 80.6231, 74.4217

Monochromacy



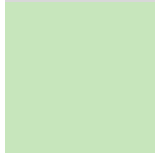
Original Color

56.4959, 81.6798, 36.8329



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

60.9271, 72.3666, 58.3339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4959, 81.6798, 36.8329 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(168, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 138)  
}
```

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(168, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 138) }
```

Border

The CSS property to change the border of an element to XYZ 56.4959, 81.6798, 36.8329 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(168, 255, 138) }
```


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

```
.border{ border-color:rgb(168, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4959, 81.6798, 36.8329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 138) }
```

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

```
.background{ background-color: rgb(168,  
255, 138) }
```

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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