

Converting Colors

XYZ(58.6964, 86.1510, 39.6687)

Have a look what the booklet for
XYZ(58.6964, 86.1510, 39.6687)
contains.

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Color

**XYZ(56.4438, 81.6102,
38.7640)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FF8F
RGB	166, 255, 143
RGB Percent	65%, 100%, 56%
CMY	0.3490, 0.0000, 0.4392
CMYK	0.35, 0.00, 0.44, 0.00
HSL	108°, 100%, 78%
HSV	108°, 44%, 100%
XYZ	56.4438, 81.6102, 38.7640
YIQ	215.6210, -17.0920, -53.7000

Conversions

Conversions Part 2

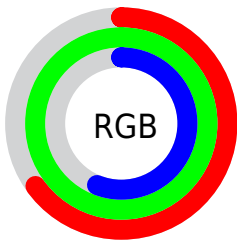
Format	Color
RYB	143, 255, 232
Decimal	10944399
CIELab	92.40, -46.98, 45.15
CIELCh	92, 65.161, 136.137
Yxy	81.6102, 0.3192, 0.4615
Android (android.graphics.Color)	4289134479 (0xFFA6FF8F)
YUV	215.6210, -35.8022, -43.5176
Hunter-Lab	90.3384, -46.5646, 37.7956

Details

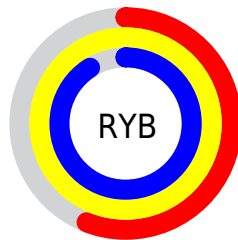
The XYZ color **56.4438, 81.6102, 38.7640** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.1524, 44.0220, 99.8818**, and the grayscale version is **65.2561, 68.6545, 74.7648**.

A 20% lighter version of the original color is **76.6935, 91.4445, 67.0345**, and **28.4700, 44.4413, 16.7504** is the 20% darker color. If you saturate the color by 10%, you get **50.8078, 78.9031, 29.5371**, and if you desaturate by 10%, it is **63.1888, 84.8382, 50.3370**.

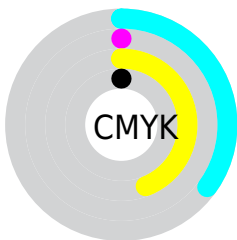
Distribution



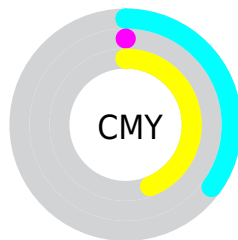
- Red (65%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (91%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4438, 81.6102, 38.7640 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 56.4438, 81.6102, 38.7640 by changing the saturation by 10% instead.

56.4438, 81.6102,
38.7640

56.4438, 81.6102,
38.7640

401.4098,
500.3429, 356.2820

40.7973, 61.0443,
26.2698

98.7892, 135.6272,
74.4940

28.3477, 44.2609,
16.7980

126.2188,
169.8471, 98.5669

18.7297, 30.8757,
9.9301

158.3068,
209.3872, 127.3364

11.5780, 20.5042,
5.2477

195.4185,
254.6317, 161.2210

6.5271, 12.7621,
2.3320

237.9193,
305.9652, 200.6394

3.2119, 7.2649,
0.7491

286.1745,

1.2668, 3.6283,

363.7719, 246.0100

0.0000

340.5496,
428.4364, 297.7513

0.1581, 1.4679,
0.0000

0.0000, 0.2660,
0.0000

56.4438, 81.6102,
38.7640

56.4438, 81.6102,
38.7640

50.8078, 78.9031,
29.5371

63.1888, 84.8382,
50.3370

46.2185, 76.6884,
22.4923

71.0984, 88.6127,
64.3974

42.6085, 74.9352,
17.4506

80.2255, 92.9581,
81.0799

39.9016, 73.6088,
14.2030

90.6193, 97.8971,
100.5085

■ 38.0088, 72.6689, 95.0500, 100.0000,
12.4942 108.9000

■ 37.1949, 72.2597,
11.9872

Harmonies

Analogous

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



68.8933, 81.6102, 26.1433



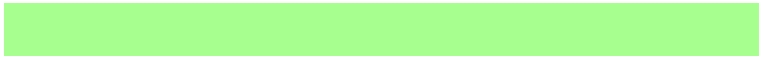
56.4438, 81.6102, 38.7640



50.1346, 81.6102, 68.4002

Triad

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



56.4438, 81.6102, 38.7640



70.0497, 81.6102, 213.0813



113.1038, 81.6102, 65.4499

Complementary

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



56.4438, 81.6102, 38.7640



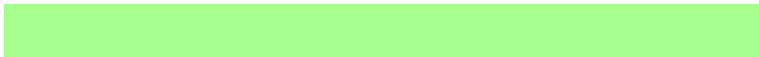
61.1524, 44.0220, 99.8818

Split Complementary

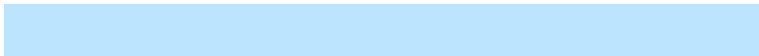
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.5332, 81.6102, 113.0392



56.4438, 81.6102, 38.7640



86.9420, 81.6102, 211.3748

Square

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



56.4438, 81.6102, 38.7640



57.1841, 81.6102, 174.1257



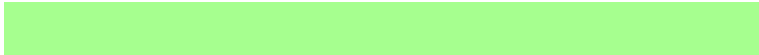
103.3976, 81.6102, 170.0716



102.2980, 81.6102, 37.2824

Rectangle

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



56.4438, 81.6102, 38.7640



49.5692, 81.6102, 99.1713



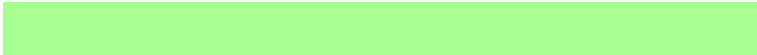
103.3976, 81.6102, 170.0716



114.5147, 81.6102, 79.2888

Sweetspot

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



56.4441, 81.6103, 38.7652



81.1285, 93.3875, 82.7516



74.6997, 80.2463, 37.5398



16.9052, 19.7701, 16.8625



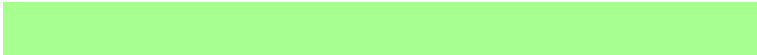
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

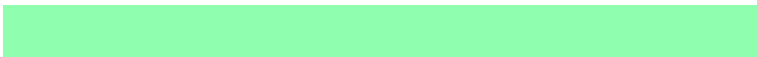
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.4441, 81.6103, 38.7652



51.2819, 79.1312, 30.2926



54.8001, 80.4447, 53.0605



18.1199, 20.3477, 19.1168



19.5324, 37.8074, 6.2681



1.9866, 3.7249, 0.6143

Inverse Universe

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



61.1524, 44.0220, 99.8818



56.5054, 36.9882, 98.7690



64.4183, 46.2480, 75.5328



18.4059, 18.1010, 22.7737



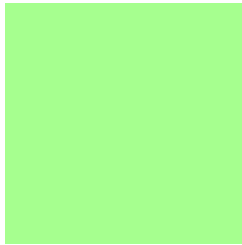
22.3764, 10.4459, 50.2715



2.2665, 1.0623, 4.8989

Previews

White Background



This preview shows how the XYZ color 56.4438, 81.6102, 38.7640 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 56.4438, 81.6102, 38.7640 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

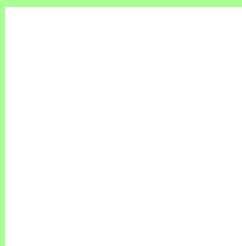
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.4438, 81.6102, 38.7640

Background



This preview shows how black text looks on a background with the XYZ color 56.4438, 81.6102, 38.7640.

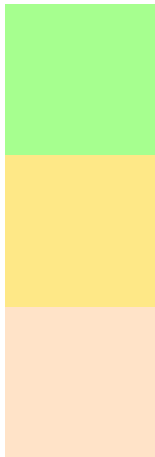


This preview shows how white text looks on a background with the XYZ color 56.4438, 81.6102,

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

56.4438, 81.6102, 38.7640

Protanopia

74.1028, 80.5333, 34.5605

Deuteranopia

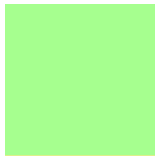
79.1344, 80.3683, 65.9854



Tritanopia

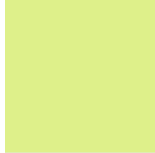
71.9425, 80.8233, 106.4164

Trichromacy



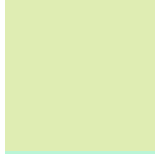
Original Color

56.4438, 81.6102, 38.7640



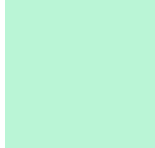
Protanomaly

65.8717, 79.6847, 35.9536



Deuteranomaly

68.8523, 79.5110, 54.3661



Tritanomaly

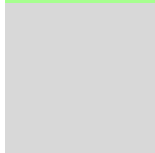
65.0397, 80.5990, 75.7475

Monochromacy



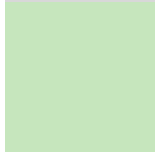
Original Color

56.4438, 81.6102, 38.7640



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 56.4438, 81.6102, 38.7640 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(166, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 143)  
}
```

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(166, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 143) }
```

Border

The CSS property to change the border of an element to XYZ 56.4438, 81.6102, 38.7640 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(166, 255, 143) }
```


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

```
.border{ border-color:rgb(166, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4438, 81.6102, 38.7640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 143) }
```

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

```
.background{ background-color: rgb(166,  
255, 143) }
```

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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