

Converting Colors

XYZ(55.5472, 81.0565, 42.8548)

Have a look what the booklet for
XYZ(55.5472, 81.0565, 42.8548)
contains.

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Color

**XYZ(55.6103, 81.0890,
42.8578)**

Conversions

Conversions Part 1

Format	Color
Hex	9EFF99
RGB	158, 255, 153
RGB Percent	62%, 100%, 60%
CMY	0.3804, 0.0000, 0.4000
CMYK	0.38, 0.00, 0.40, 0.00
HSL	117°, 100%, 80%
HSV	117°, 40%, 100%
XYZ	55.6103, 81.0890, 42.8578
YIQ	214.3690, -25.0700, -52.2860

Conversions

Conversions Part 2

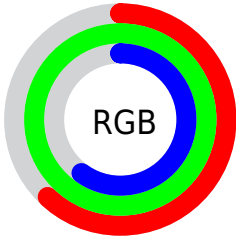
Format	Color
RYB	153, 255, 250
Decimal	10420121
CIELab	92.17, -48.06, 39.93
CIELCh	92, 62.486, 140.281
Yxy	81.0890, 0.3097, 0.4516
Android (android.graphics.Color)	4288610201 (0xFF9EFF99)
YUV	214.3690, -30.2549, -49.4356
Hunter-Lab	90.0494, -47.3533, 34.8163

Details

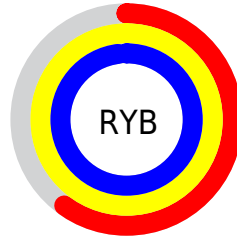
The XYZ color **55.6103, 81.0890, 42.8578** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.8668, 50.3278, 100.6923**, and the grayscale version is **64.3745, 67.7270, 73.7547**.

A 20% lighter version of the original color is **75.4641, 90.6730, 73.1988**, and **27.8612, 44.0750, 19.0955** is the 20% darker color. If you saturate the color by 10%, you get **49.4154, 78.1133, 32.7239**, and if you desaturate by 10%, it is **63.1973, 84.7303, 55.4085**.

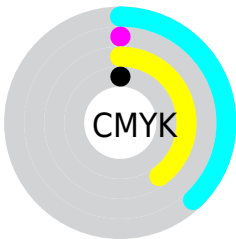
Distribution



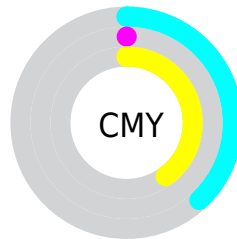
- Red (62%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (98%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6103, 81.0890, 42.8578 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 55.6103, 81.0890, 42.8578 by changing the saturation by 10% instead.

■ 55.6103, 81.0890,
42.8578

■ 55.6103, 81.0890,
42.8578

398.3201,
498.5953, 373.9307

■ 40.1263, 60.6149,
29.4430

■ 97.5777, 134.8957,
80.7803

■ 27.8217, 43.9145,
19.1677

■ 124.7918,
168.9971, 106.1250

■ 18.3311, 30.6033,
11.6135

156.6467,
208.4098, 136.2835

■ 11.2891, 20.2969,
6.3618

193.5077,
253.5181, 171.6742

■ 6.3303, 12.6111,
2.9939

235.7402,
304.7064, 212.7158

■ 3.0895, 7.1613,
1.0915

283.7095,

■ 1.2013, 3.5632,

362.3591, 259.8267

0.0000

337.7810,
426.8606, 313.4255

0.1074, 1.4323,
0.0000

0.0000, 0.2404,
0.0000

55.6103, 81.0890,
42.8578

55.6103, 81.0890,
42.8578

49.4154, 78.1133,
32.7239

63.1973, 84.7303,
55.4085

44.5268, 75.7624,
24.8479

72.2526, 89.0735,
70.5134

40.8511, 73.9918,
19.0583

82.8483, 94.1530,
88.3043

38.2820, 72.7511,
15.1570

95.0500, 100.0000,
108.9000

■ 36.6949, 71.9811,
12.9081

■ 35.9187, 71.6018,
11.9275

■ 35.9186, 71.6018,
11.9274

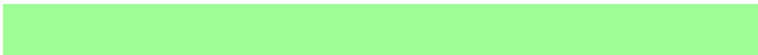
Harmonies

Analogous

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



66.8228, 81.0890, 28.4698



55.6103, 81.0890, 42.8578



50.3872, 81.0890, 74.1427

Triad

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



55.6103, 81.0890, 42.8578



71.9593, 81.0890, 207.8282



109.9453, 81.0890, 60.9647

Complementary

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



55.6103, 81.0890, 42.8578



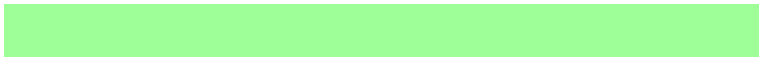
68.8668, 50.3278, 100.6923

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.



111.8270, 81.0890, 104.1361



55.6103, 81.0890, 42.8578



88.3204, 81.0890, 200.4353

Square

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



55.6103, 81.0890, 42.8578



58.9188, 81.0890, 175.6565



103.4490, 81.0890, 158.0089



98.6180, 81.0890, 36.1112

Rectangle

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



55.6103, 81.0890, 42.8578



50.4270, 81.0890, 105.0977



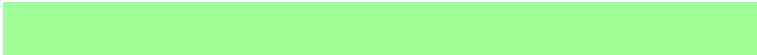
103.4490, 81.0890, 158.0089



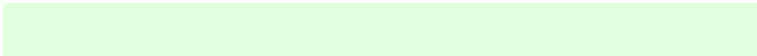
111.7592, 81.0890, 73.3810

Sweetspot

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



55.6107, 81.0892, 42.8591



80.6014, 93.0760, 84.5231



81.1446, 91.8692, 43.5940



16.9454, 19.7752, 17.5760



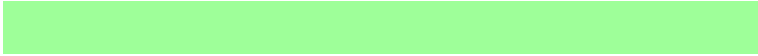
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

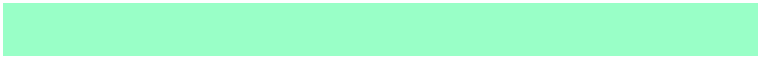
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.6107, 81.0892, 42.8591



50.5464, 78.6568, 34.5639



59.1948, 82.4115, 66.7601



17.8539, 20.2106, 19.1044



18.8027, 37.4312, 6.2339



1.8584, 3.6588, 0.6083

Inverse Universe

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



68.8668, 50.3278, 100.6923



65.4506, 44.0259, 99.6560



64.1529, 48.6519, 66.3969



18.6995, 18.2524, 22.7874



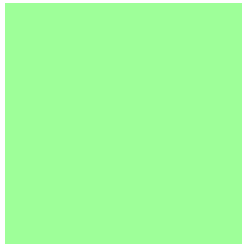
28.6943, 13.7029, 50.5672



2.8199, 1.3476, 4.9248

Previews

White Background



This preview shows how the XYZ color 55.6103, 81.0890, 42.8578 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 55.6103, 81.0890, 42.8578 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

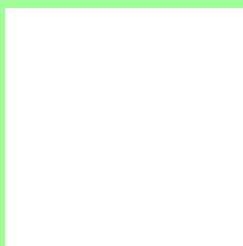
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6103, 81.0890, 42.8578

Background



This preview shows how black text looks on a background with the XYZ color 55.6103, 81.0890, 42.8578.

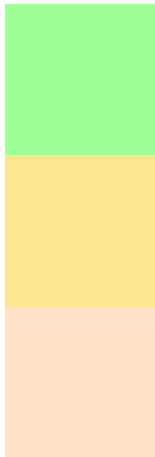


This preview shows how white text looks on a background with the XYZ color 55.6103, 81.0890,

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

55.6103, 81.0890, 42.8578

Protanopia

73.7548, 79.8609, 37.9130

Deuteranopia

78.7452, 79.7762, 65.2809



Tritanopia

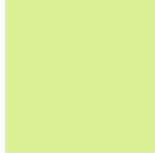
70.9483, 80.7466, 106.4540

Trichromacy



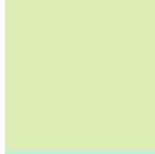
Original Color

55.6103, 81.0890, 42.8578



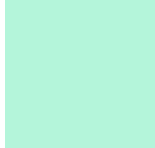
Protanomaly

65.3400, 79.3322, 39.4726



Deuteranomaly

68.2429, 79.1614, 55.9389



Tritanomaly

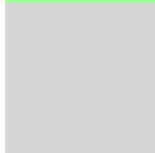
64.1297, 80.0701, 78.4047

Monochromacy



Original Color

55.6103, 81.0890, 42.8578



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.7819, 71.3137, 60.4833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6103, 81.0890, 42.8578 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(158, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 153)  
}
```

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(158, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 55.6103, 81.0890, 42.8578 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(158, 255, 153) }
```


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

```
.border{ border-color:rgb(158, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6103, 81.0890, 42.8578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 153) }
```

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

```
.background{ background-color: rgb(158,  
255, 153) }
```

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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