

Converting Colors

XYZ(55.6819, 81.3625, 32.1731)

Have a look what the booklet for
XYZ(55.6819, 81.3625, 32.1731)
contains.

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Color

**XYZ(55.6101, 81.3255,
32.1685)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FF7D
RGB	168, 255, 125
RGB Percent	66%, 100%, 49%
CMY	0.3412, 0.0000, 0.5098
CMYK	0.34, 0.00, 0.51, 0.00
HSL	100°, 100%, 75%
HSV	100°, 51%, 100%
XYZ	55.6101, 81.3255, 32.1685
YIQ	214.1670, -10.1220, -58.8740

Conversions

Conversions Part 2

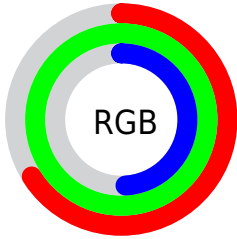
Format	Color
RYB	125, 255, 212
Decimal	11075453
CIELab	92.28, -48.52, 53.48
CIELCh	92, 72.207, 132.215
Yxy	81.3255, 0.3289, 0.4809
Android (android.graphics.Color)	4289265533 (0xFFA8FF7D)
YUV	214.1670, -43.9593, -40.4885
Hunter-Lab	90.1807, -47.7437, 41.9770

Details

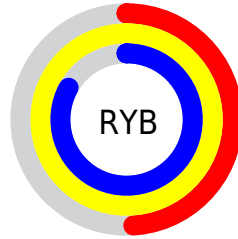
The XYZ color **55.6101, 81.3255, 32.1685** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **52.5365, 35.8857, 98.7654**, and the grayscale version is **64.3204, 67.6701, 73.6927**.

A 20% lighter version of the original color is **75.3622, 90.9840, 56.7697**, and **27.9193, 44.2356, 13.1977** is the 20% darker color. If you saturate the color by 10%, you get **50.7866, 79.0035, 24.5035**, and if you desaturate by 10%, it is **61.3292, 84.0608, 42.0602**.

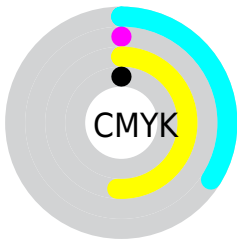
Distribution



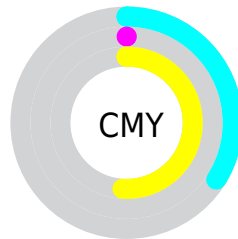
- Red (66%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (83%)



- Cyan (34%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6101, 81.3255, 32.1685 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 55.6101, 81.3255, 32.1685 by changing the saturation by 10% instead.


 55.6101, 81.3255,
32.1685


 55.6101, 81.3255,
32.1685


398.3194,
499.3887, 326.4025


 40.1262, 60.8097,
21.2244


 97.5774, 135.2277,
64.1761

 27.8216, 44.0716,
13.0953


 124.7915,
169.3829, 86.0767

 18.3310, 30.7268,
7.3627


 156.6463,
208.8534, 112.4665

 11.2890, 20.3909,
3.6081

193.5073,
254.0236, 143.7640

 6.3303, 12.6795,
1.4129

235.7397,
305.2778, 180.3878

 3.0895, 7.2082,
0.1517

283.7089,

 1.2013, 3.5927,

363.0005, 222.7565

0.0000

337.7804,
427.5760, 271.2885

0.1074, 1.4484,
0.0000

0.0000, 0.2520,
0.0000

55.6101, 81.3255,
32.1685

55.6101, 81.3255,
32.1685

50.7866, 79.0035,
24.5035

61.3292, 84.0608,
42.0602

46.8067, 77.0720,
18.8886

67.9896, 87.2297,
54.3298

43.6136, 75.5058,
15.1265

75.6349, 90.8515,
69.1192

41.1411, 74.2762,
12.9792

84.3053, 94.9443,
86.5584

■ 39.4468, 73.4206,
12.0925

94.0387, 99.5248,
106.7684

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



69.9522, 81.3255, 21.3055



55.6101, 81.3255, 32.1685



47.9205, 81.3255, 60.7271

Triad

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



55.6101, 81.3255, 32.1685



66.8486, 81.3255, 226.8476



117.9320, 81.3255, 68.5402

Complementary

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



55.6101, 81.3255, 32.1685



52.5365, 35.8857, 98.7654

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.



116.7402, 81.3255, 123.7879



55.6101, 81.3255, 32.1685



85.1397, 81.3255, 231.7203

Square

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



55.6101, 81.3255, 32.1685



53.6542, 81.3255, 177.0858



103.9968, 81.3255, 188.5306



107.0302, 81.3255, 35.8986

Rectangle

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



55.6101, 81.3255, 32.1685



46.7038, 81.3255, 92.5807



103.9968, 81.3255, 188.5306



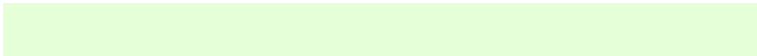
118.9760, 81.3255, 84.6373

Sweetspot

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



55.6104, 81.3256, 32.1697



80.6932, 93.2408, 79.2196



68.4025, 69.6619, 29.2442



16.8809, 19.7729, 16.1705



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.



55.6104, 81.3256, 32.1697



50.7774, 78.9991, 24.4896



49.4586, 77.9765, 39.9123



18.3375, 20.4599, 19.1270



20.7517, 38.4360, 6.3252



2.1304, 3.7990, 0.6210

Inverse Universe

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



52.5365, 35.8857, 98.7654



47.3337, 29.0033, 97.7112



63.3298, 41.8305, 82.0774



18.1746, 17.9818, 22.7629



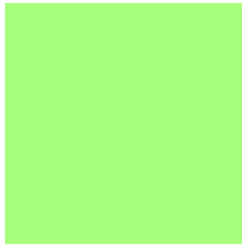
18.3327, 8.3613, 50.0822



1.9006, 0.8737, 4.8817

Previews

White Background



This preview shows how the XYZ color 55.6101, 81.3255, 32.1685 looks on a white background.

Color Contrast Check

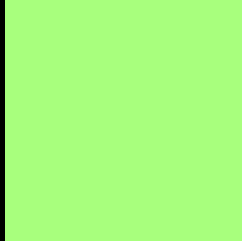
Large Text (above 18pt) WCAG AA × Fail

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 55.6101, 81.3255, 32.1685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

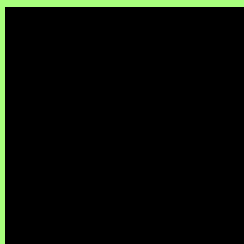
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

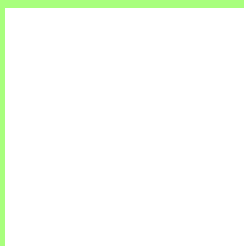
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6101, 81.3255, 32.1685

Background



This preview shows how black text looks on a background with the XYZ color 55.6101, 81.3255, 32.1685.



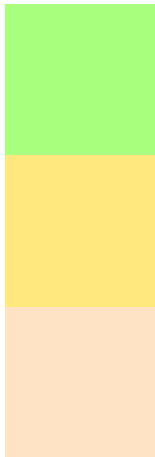
This preview shows how white text looks on a background with the XYZ color 55.6101, 81.3255,

32.1685.

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

55.6101, 81.3255, 32.1685

Protanopia

73.7983, 80.4539, 31.0416

Deuteranopia

78.6729, 80.1837, 63.5550



Tritanopia

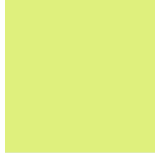
72.2052, 80.9588, 106.4287

Trichromacy



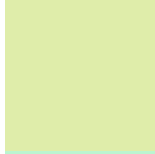
Original Color

55.6101, 81.3255, 32.1685



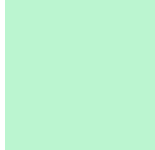
Protanomaly

65.2932, 79.4888, 31.3036



Deuteranomaly

67.9713, 79.1586, 49.7269



Tritanomaly

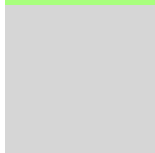
64.5311, 80.4237, 71.7967

Monochromacy



Original Color

55.6101, 81.3255, 32.1685



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.4888, 71.2863, 54.8802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6101, 81.3255, 32.1685 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 55.6101, 81.3255, 32.1685 is called "border". The border property can be set on classes, ids or directly on the HTML element.

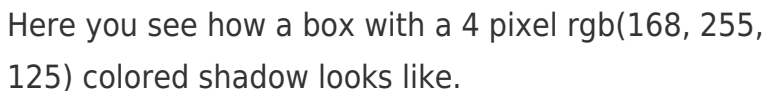
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 255, 125) }
```


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

```
.border{ border-color:rgb(168, 255, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 255, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 255, 125); box-shadow:4px 4px 4px 4px rgb(168, 255, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6101, 81.3255, 32.1685 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, 125) }
```

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

```
.background{ background-color: rgb(168,  
255, 125) }
```

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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