

Converting Colors

XYZ(55.8277, 81.1595, 44.7445)

Have a look what the booklet for
XYZ(55.8277, 81.1595, 44.7445)
contains.

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Color

**XYZ(55.7504, 81.1224,
44.6181)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9DFF9D |
| RGB | 157, 255, 157 |
| RGB Percent | 62%, 100%, 62% |
| CMY | 0.3843, 0.0000, 0.3843 |
| CMYK | 0.38, 0.00, 0.38, 0.00 |
| HSL | 120°, 100%, 81% |
| HSV | 120°, 38%, 100% |
| XYZ | 55.7504, 81.1224, 44.6181 |
| YIQ | 214.5260, -26.9500, -51.2540 |

Conversions

Conversions Part 2

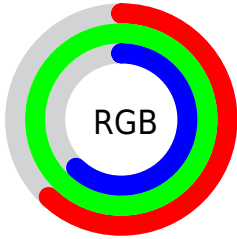
| Format | Color |
|-------------------------------------|--|
| RYB | 157, 255, 255 |
| Decimal | 10354589 |
| CIELab | 92.19, -47.78, 37.98 |
| CIElCh | 92, 61.031, 141.521 |
| Yxy | 81.1224, 0.3072, 0.4470 |
| Android (android.graphics.Color) | 4288544669 (0xFF9DFF9D) |
| YUV | 214.5260, -28.3603, -50.4503 |
| Hunter-Lab | 90.0680, -47.1308, 33.6764 |

Details

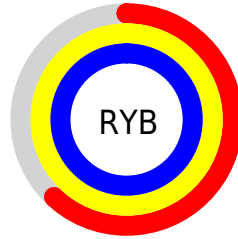
The XYZ color **55.7504, 81.1224, 44.6181** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71.3468, 52.5941, 100.9975**, and the grayscale version is **64.4691, 67.8266, 73.8631**.

A 20% lighter version of the original color is **75.6680, 90.7205, 75.8100**, and **27.9483, 44.0970, 20.1352** is the 20% darker color. If you saturate the color by 10%, you get **49.3288, 78.0378, 34.1149**, and if you desaturate by 10%, it is **63.6654, 84.9244, 57.5651**.

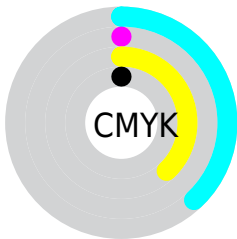
Distribution



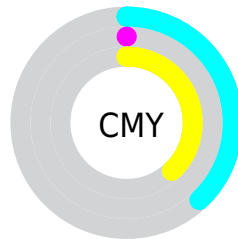
- Red (62%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7504, 81.1224, 44.6181 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 55.7504, 81.1224, 44.6181 by changing the saturation by 10% instead.

 55.7504, 81.1224,
44.6181


 55.7504, 81.1224,
44.6181


398.8405,
498.7074, 381.3396

 40.2391, 60.6424,
30.8160


 97.7815, 134.9426,
83.4594

 27.9100, 43.9366,
20.2015


 125.0319,
169.0516, 109.3356

 18.3979, 30.6207,
12.3560


156.9261,
208.4725, 140.0737

 11.3375, 20.3102,
6.8612

193.8293,
253.5895, 176.0920

 6.3633, 12.6207,
3.2983

236.1071,
304.7871, 217.8093

 3.1100, 7.1679,
1.2489

284.1246,

 1.2122, 3.5673,

362.4497, 265.6439

0.0193

338.2473,
426.9616, 320.0145

■ 0.1159, 1.4346,
0.0000

■ 0.0000, 0.2420,
0.0000

■ 55.7504, 81.1224,
44.6181

■ 55.7504, 81.1224,
44.6181

■ 49.3288, 78.0378,
34.1149

■ 63.6654, 84.9244,
57.5651

■ 44.3057, 75.6249,
25.8986

■ 73.1581, 89.4842,
73.0920

■ 40.5774, 73.8340,
19.8002

■ 84.3078, 94.8400,
91.3293

■ 38.0253, 72.6081,
15.6256

95.0500, 100.0000,
108.9000

■ 36.5090, 71.8798,
13.1454

■ 35.8320, 71.5546,
12.0379

■ 35.7600, 71.5200,
11.9201

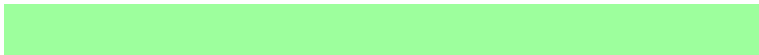
Harmonies

Analogous

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



66.5236, 81.1224, 29.7312



55.7504, 81.1224, 44.6181



50.8704, 81.1224, 76.1510

Triad

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



55.7504, 81.1224, 44.6181



72.7261, 81.1224, 204.8271



108.8356, 81.1224, 60.1880

Complementary

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



55.7504, 81.1224, 44.6181



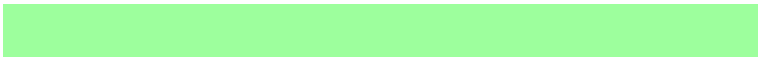
71.3468, 52.5941, 100.9975

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.



111.0903, 81.1224, 101.7395



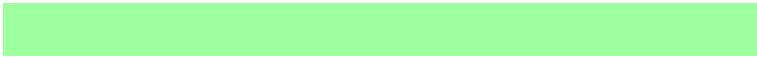
55.7504, 81.1224, 44.6181



88.7516, 81.1224, 196.0270

Square

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



55.7504, 81.1224, 44.6181



59.7596, 81.1224, 175.0702



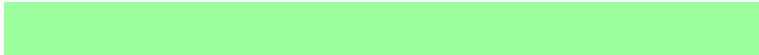
103.3146, 81.1224, 154.0056



97.5173, 81.1224, 36.3563

Rectangle

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



55.7504, 81.1224, 44.6181



51.0822, 81.1224, 106.8009



103.3146, 81.1224, 154.0056



110.7348, 81.1224, 72.1193

Sweetspot

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



55.7508, 81.1226, 44.6194



80.1335, 92.8349, 84.5016



83.0859, 95.2144, 45.8978



16.8365, 19.7190, 17.5710



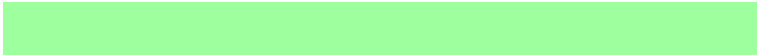
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

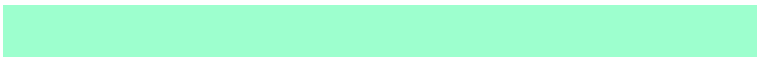
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.7508, 81.1226, 44.6194



50.7576, 78.7241, 36.4519



60.8054, 83.1444, 71.2365



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



71.3468, 52.5941, 100.9975



68.3351, 46.5709, 99.9933



64.4378, 49.8305, 64.6148



18.7927, 18.3004, 22.7917



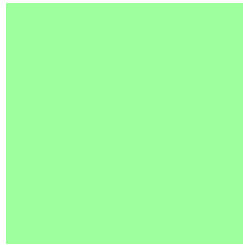
30.9799, 14.8813, 50.6721



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 55.7504, 81.1224, 44.6181 looks on a white background.

Color Contrast Check

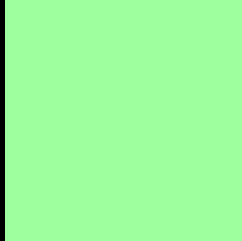
Large Text (above 18pt) WCAG AA × Fail

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 55.7504, 81.1224, 44.6181 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

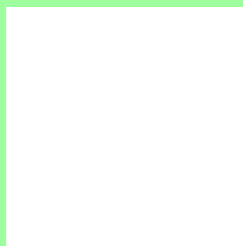
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.7504, 81.1224, 44.6181

Background



This preview shows how black text looks on a background with the XYZ color 55.7504, 81.1224, 44.6181.

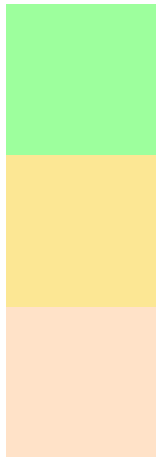


This preview shows how white text looks on a background with the XYZ color 55.7504, 81.1224,

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

55.7504, 81.1224, 44.6181

Protanopia

74.0661, 79.9854, 39.5520

Deuteranopia

78.8617, 79.8228, 65.8945



Tritanopia

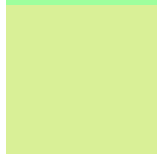
70.9483, 80.7466, 106.4540

Trichromacy



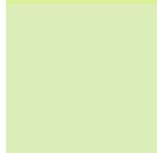
Original Color

55.7504, 81.1224, 44.6181



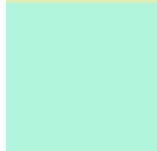
Protanomaly

65.3613, 79.3063, 41.1409



Deuteranomaly

68.1493, 79.0891, 57.0213



Tritanomaly

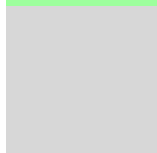
64.0290, 80.0030, 79.0853

Monochromacy



Original Color

55.7504, 81.1224, 44.6181



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.2826, 71.9580, 61.7510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7504, 81.1224, 44.6181 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(157, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 157)  
}
```

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(157, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 55.7504, 81.1224, 44.6181 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(157, 255, 157) }
```


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

```
.border{ border-color:rgb(157, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7504, 81.1224, 44.6181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 157) }
```

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

```
.background{ background-color: rgb(157,  
255, 157) }
```

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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