

Converting Colors

XYZ(55.8604, 81.1967, 43.8283)

Have a look what the booklet for
XYZ(55.8604, 81.1967, 43.8283)
contains.

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Color

**XYZ(55.7769, 81.1557,
43.7352)**

Conversions

Conversions Part 1

Format	Color
Hex	9EFF9B
RGB	158, 255, 155
RGB Percent	62%, 100%, 61%
CMY	0.3804, 0.0000, 0.3921
CMYK	0.38, 0.00, 0.39, 0.00
HSL	118°, 100%, 80%
HSV	118°, 39%, 100%
XYZ	55.7769, 81.1557, 43.7352
YIQ	214.5970, -25.7120, -51.6640

Conversions

Conversions Part 2

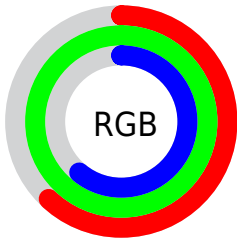
Format	Color
RYB	155, 255, 252
Decimal	10420123
CIELab	92.20, -47.77, 38.99
CIElCh	92, 61.663, 140.783
Yxy	81.1557, 0.3087, 0.4492
Android (android.graphics.Color)	4288610203 (0xFF9EFF9B)
YUV	214.5970, -29.3813, -49.6356
Hunter-Lab	90.0865, -47.1333, 34.2764

Details

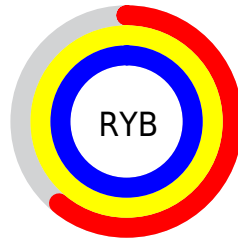
The XYZ color **55.7769, 81.1557, 43.7352** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.9175, 51.3595, 100.8361**, and the grayscale version is **64.5232, 67.8834, 73.9250**.

A 20% lighter version of the original color is **75.7118, 90.7721, 74.5031**, and **27.9592, 44.1142, 19.6117** is the 20% darker color. If you saturate the color by 10%, you get **49.4707, 78.1265, 33.4171**, and if you desaturate by 10%, it is **63.5153, 84.8708, 56.4832**.

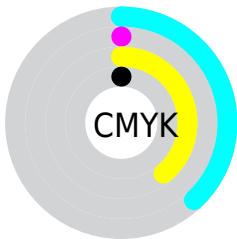
Distribution



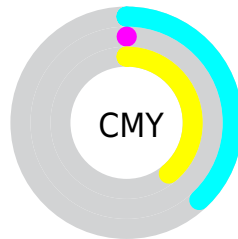
- Red (62%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7769, 81.1557, 43.7352 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 55.7769, 81.1557, 43.7352 by changing the saturation by 10% instead.


 55.7769, 81.1557,
43.7352


 55.7769, 81.1557,
43.7352


398.9389,
498.8191, 377.6363

 40.2604, 60.6698,
30.1267


 97.8200, 134.9894,
82.1174

 27.9267, 43.9588,
19.6819


 125.0773,
169.1060, 107.7281

 18.4106, 30.6381,
11.9823


156.9789,
208.5349, 138.1767

 11.3467, 20.3234,
6.6092

193.8902,
253.6607, 173.8817

 6.3695, 12.6304,
3.1442

236.1764,
304.8676, 215.2616

 3.1138, 7.1745,
1.1687

284.2031,

 1.2142, 3.5715,

362.5400, 262.7350

0.0000

338.3354,
427.0624, 316.7204

■ 0.1176, 1.4369,
0.0000

■ 0.0000, 0.2437,
0.0000

■ 55.7769, 81.1557,
43.7352

■ 55.7769, 81.1557,
43.7352

■ 49.4707, 78.1265,
33.4171

■ 63.5153, 84.8708,
56.4832

■ 44.5078, 75.7410,
25.3711

■ 72.7650, 89.3098,
71.7977

■ 40.7910, 73.9526,
19.4270

■ 83.6010, 94.5085,
89.8099

■ 38.2098, 72.7087,
15.3888

95.0500, 100.0000,
108.9000

■ 36.6341, 71.9471,
13.0240

■ 35.8910, 71.5863,
11.9834

■ 35.8557, 71.5693,
11.9245

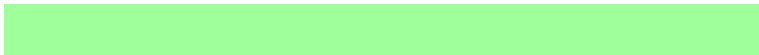
Harmonies

Analogous

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



66.7810, 81.1557, 29.1510



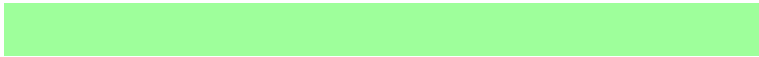
55.7769, 81.1557, 43.7352



50.7052, 81.1557, 75.0598

Triad

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



55.7769, 81.1557, 43.7352



72.3385, 81.1557, 206.1472



109.4227, 81.1557, 60.7769

Complementary

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



55.7769, 81.1557, 43.7352



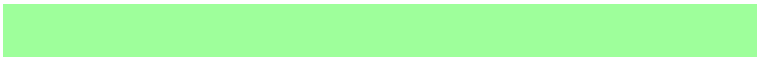
69.9175, 51.3595, 100.8361

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.



111.4499, 81.1557, 103.1558



55.7769, 81.1557, 43.7352



88.5098, 81.1557, 198.2119

Square

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



55.7769, 81.1557, 43.7352



59.3636, 81.1557, 175.1218



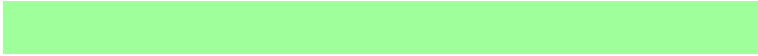
103.3516, 81.1557, 156.1505



98.1427, 81.1557, 36.3783

Rectangle

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



55.7769, 81.1557, 43.7352



50.8151, 81.1557, 105.7934



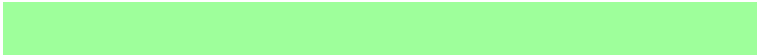
103.3516, 81.1557, 156.1505



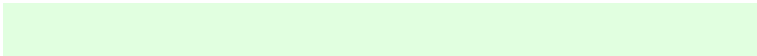
111.2644, 81.1557, 72.9638

Sweetspot

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



55.7773, 81.1558, 43.7365



80.4192, 92.9822, 84.5146



81.8625, 93.0383, 44.6552



16.9030, 19.7533, 17.5740



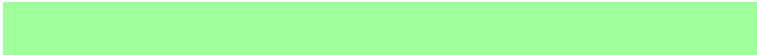
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

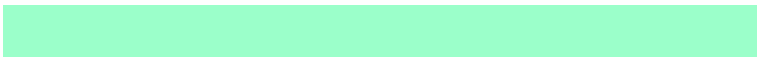
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.7773, 81.1558, 43.7365



50.7483, 78.7404, 35.5008



59.8995, 82.7374, 68.4842



17.8219, 20.1941, 19.1029



18.7571, 37.4077, 6.2318



1.8433, 3.6510, 0.6076

Inverse Universe

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



69.9175, 51.3595, 100.8361



66.6654, 45.1748, 99.8137



64.3882, 49.2742, 66.0078



18.7357, 18.2710, 22.7891



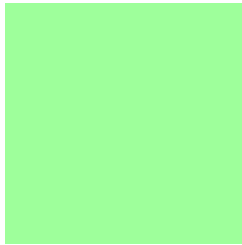
29.5640, 14.1513, 50.6079



2.8948, 1.3863, 4.9283

Previews

White Background



This preview shows how the XYZ color 55.7769, 81.1557, 43.7352 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 55.7769, 81.1557, 43.7352 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 55.7769, 81.1557, 43.7352

Background



This preview shows how black text looks on a background with the XYZ color 55.7769, 81.1557, 43.7352.



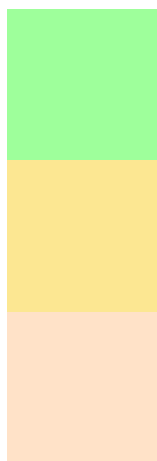
This preview shows how white text looks on a background with the XYZ color 55.7769, 81.1557,

43.7352.

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

55.7769, 81.1557, 43.7352

Protanopia

73.9091, 79.9226, 38.7253

Deuteranopia

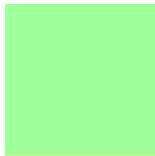
78.8617, 79.8228, 65.8945



Tritanopia

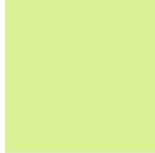
70.9483, 80.7466, 106.4540

Trichromacy



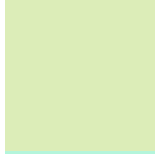
Original Color

55.7769, 81.1557, 43.7352



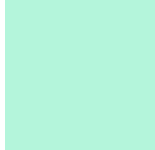
Protanomaly

65.4983, 79.3955, 40.3065



Deuteranomaly

68.4511, 79.2447, 57.0354



Tritanomaly

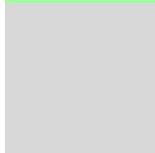
64.2610, 80.1226, 79.0961

Monochromacy



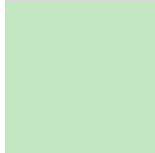
Original Color

55.7769, 81.1557, 43.7352



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.1706, 71.9132, 61.1614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7769, 81.1557, 43.7352 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 155) }
```

Border

The CSS property to change the border of an element to XYZ 55.7769, 81.1557, 43.7352 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, 155) }
```


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

```
.border{ border-color:rgb(158, 255, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7769, 81.1557, 43.7352 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, 155) }
```

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

```
.background{ background-color: rgb(158,  
255, 155) }
```

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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