

Converting Colors

XYZ(55.3204, 80.8617, 46.3609)

Have a look what the booklet for
XYZ(55.3204, 80.8617, 46.3609)
contains.

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Color

**XYZ(55.3299, 80.8655,
46.4106)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFA1
RGB	153, 255, 161
RGB Percent	60%, 100%, 63%
CMY	0.4000, 0.0000, 0.3686
CMYK	0.40, 0.00, 0.37, 0.00
HSL	125°, 100%, 80%
HSV	125°, 40%, 100%
XYZ	55.3299, 80.8655, 46.4106
YIQ	213.7860, -30.6180, -50.8580

Conversions

Conversions Part 2

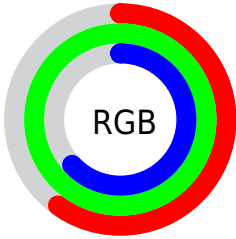
Format	Color
RYB	153, 248, 255
Decimal	10092449
CIELab	92.07, -48.34, 35.81
CIELCh	92, 60.161, 143.465
Yxy	80.8655, 0.3030, 0.4428
Android (android.graphics.Color)	4288282529 (0xFF99FFA1)
YUV	213.7860, -26.0235, -53.3093
Hunter-Lab	89.9252, -47.5403, 32.3480

Details

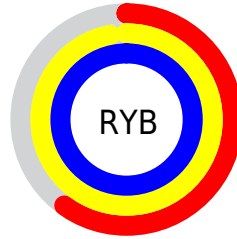
The XYZ color **55.3299, 80.8655, 46.4106** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.4198, 50.7582, 94.1331**, and the grayscale version is **63.9566, 67.2873, 73.2759**.

A 20% lighter version of the original color is **75.1484, 90.3786, 79.1297**, and **27.7247, 43.9577, 21.2108** is the 20% darker color. If you saturate the color by 10%, you get **49.1388, 77.8912, 36.3012**, and if you desaturate by 10%, it is **62.9398, 84.5262, 58.6219**.

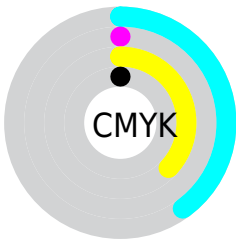
Distribution



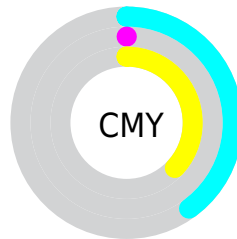
- Red (60%)
- Green (100%)
- Blue (63%)



- Red (60%)
- Yellow (97%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.3299, 80.8655, 46.4106 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 55.3299, 80.8655, 46.4106 by changing the saturation by 10% instead.


 55.3299, 80.8655,
46.4106


 55.3299, 80.8655,
46.4106


397.2774,
497.8449, 388.7824

 39.9008, 60.4308,
32.2190


 97.1696, 134.5819,
86.1739

 27.6451, 43.7660,
21.2626


 124.3110,
168.6324, 112.5827

 18.1974, 30.4866,
13.1230

156.0872,
207.9903, 143.9008

 11.1923, 20.2082,
7.3816

192.8635,
253.0401, 180.5470

 6.2646, 12.5465,
3.6198

235.0053,
304.1660, 222.9397

 3.0488, 7.1170,
1.4192

282.8780,

 1.1796, 3.5354,

361.7525, 271.4975

0.1566

336.8469,
426.1840, 326.6389

0.0902, 1.4172,
0.0000

0.0000, 0.2294,
0.0000

55.3299, 80.8655,
46.4106

55.3299, 80.8655,
46.4106

49.1388, 77.8912,
36.3012

62.9398, 84.5262,
58.6219

44.2771, 75.5598,
28.1715

72.0476, 88.9117,
73.0401

40.6475, 73.8239,
21.8928

82.7281, 94.0585,
89.7682

38.1386, 72.6291,
17.3196

95.0500, 100.0000,
108.9000

■ 36.6187, 71.9112,
14.2846

■ 35.8863, 71.5705,
12.5851

■ 35.8863, 71.5705,
12.5851

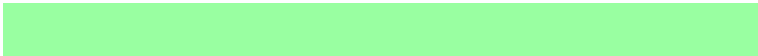
Harmonies

Analogous

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



65.6019, 80.8655, 30.6989



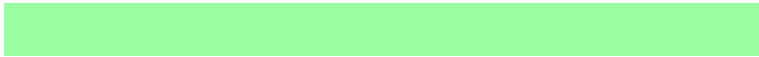
55.3299, 80.8655, 46.4106



50.9083, 80.8655, 78.6945

Triad

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



55.3299, 80.8655, 46.4106



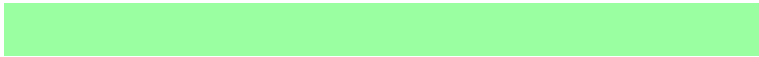
73.5206, 80.8655, 202.8660



107.5408, 80.8655, 58.2681

Complementary

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



55.3299, 80.8655, 46.4106



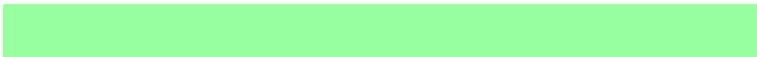
69.4198, 50.7582, 94.1331

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.



110.4045, 80.8655, 98.1164



55.3299, 80.8655, 46.4106



89.3382, 80.8655, 191.7395

Square

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



55.3299, 80.8655, 46.4106



60.4603, 80.8655, 175.8898



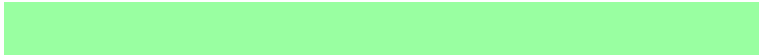
103.3565, 80.8655, 149.2048



95.9862, 80.8655, 35.7627

Rectangle

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



55.3299, 80.8655, 46.4106



51.3847, 80.8655, 109.4379



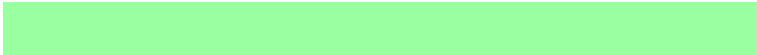
103.3565, 80.8655, 149.2048



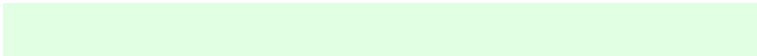
109.6107, 80.8655, 69.6457

Sweetspot

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



55.3304, 80.8657, 46.4119



80.4622, 92.9663, 86.2322



80.2923, 93.8130, 44.0135



16.9131, 19.7496, 17.9741



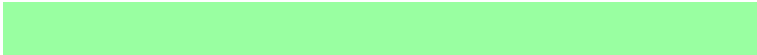
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

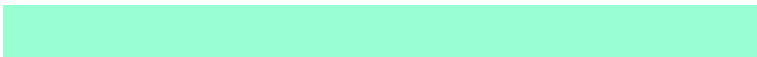
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.3304, 80.8657, 46.4119



50.2675, 78.4331, 38.1604



60.6300, 82.9856, 74.3193



17.8294, 20.1913, 19.4045



18.7716, 37.4052, 6.6826



1.8467, 3.6496, 0.7507

Inverse Universe

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



69.4198, 50.7582, 94.1331



66.1152, 44.5427, 91.8183



62.7325, 48.0833, 58.9187



18.7276, 18.2743, 22.4484



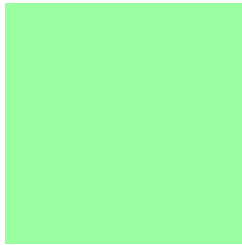
29.4098, 14.2532, 42.4038



2.8811, 1.3948, 4.2210

Previews

White Background



This preview shows how the XYZ color 55.3299, 80.8655, 46.4106 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 55.3299, 80.8655, 46.4106 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 55.3299, 80.8655, 46.4106

Background



This preview shows how black text looks on a background with the XYZ color 55.3299, 80.8655, 46.4106.

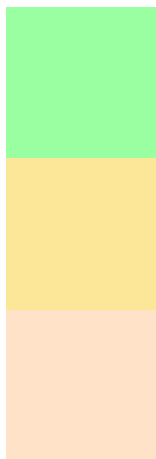


This preview shows how white text looks on a background with the XYZ color 55.3299, 80.8655,

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

55.3299, 80.8655, 46.4106

Protanopia

73.9455, 79.8954, 40.8022

Deuteranopia

78.8617, 79.8228, 65.8945



Tritanopia

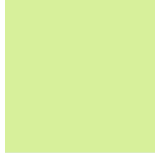
70.1964, 80.3590, 106.4188

Trichromacy



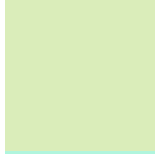
Original Color

55.3299, 80.8655, 46.4106



Protanomaly

65.1008, 79.1338, 42.8535



Deuteranomaly

68.0606, 79.0190, 58.1194



Tritanomaly

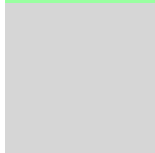
63.6080, 79.7554, 80.4484

Monochromacy



Original Color

55.3299, 80.8655, 46.4106



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.6079, 71.1852, 62.2282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3299, 80.8655, 46.4106 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(153, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 161)  
}
```

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(153, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 55.3299, 80.8655, 46.4106 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(153, 255, 161) }
```


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

```
.border{ border-color:rgb(153, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3299, 80.8655, 46.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 161) }
```

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

```
.background{ background-color: rgb(153,  
255, 161) }
```

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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