

Converting Colors

XYZ(55.4918, 80.9303, 47.2633)

Have a look what the booklet for
XYZ(55.4918, 80.9303, 47.2633)
contains.

XYZ(55.5077, 80.9366, 47.3471)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.5077, 80.9366,
47.3471)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFA3
RGB	153, 255, 163
RGB Percent	60%, 100%, 64%
CMY	0.4000, 0.0000, 0.3608
CMYK	0.40, 0.00, 0.36, 0.00
HSL	126°, 100%, 80%
HSV	126°, 40%, 100%
XYZ	55.5077, 80.9366, 47.3471
YIQ	214.0140, -31.2600, -50.2360

Conversions

Conversions Part 2

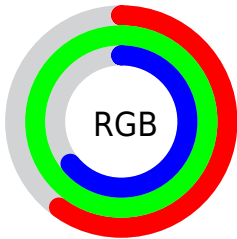
Format	Color
RYB	153, 246, 255
Decimal	10092451
CIELab	92.10, -48.03, 34.86
CIELCh	92, 59.348, 144.024
Yxy	80.9366, 0.3020, 0.4404
Android (android.graphics.Color)	4288282531 (0xFF99FFA3)
YUV	214.0140, -25.1499, -53.5093
Hunter-Lab	89.9648, -47.3050, 31.7719

Details

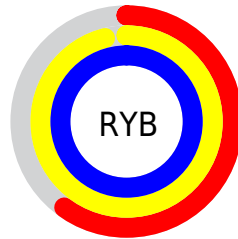
The XYZ color **55.5077, 80.9366, 47.3471** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.1126, 50.6354, 92.5160**, and the grayscale version is **64.1047, 67.4431, 73.4456**.

A 20% lighter version of the original color is **75.4102, 90.4834, 80.5083**, and **27.8324, 44.0008, 21.7779** is the 20% darker color. If you saturate the color by 10%, you get **49.3211, 77.9642, 37.2612**, and if you desaturate by 10%, it is **63.0985, 84.5896, 59.4575**.

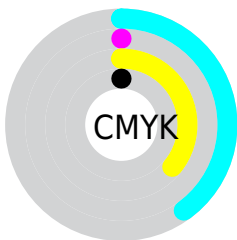
Distribution



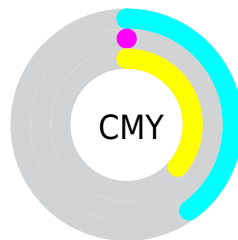
- Red (60%)
- Green (100%)
- Blue (64%)



- Red (60%)
- Yellow (96%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5077, 80.9366, 47.3471 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 55.5077, 80.9366, 47.3471 by changing the saturation by 10% instead.


 55.5077, 80.9366,
47.3471


 55.5077, 80.9366,
47.3471


397.9387,
498.0837, 392.6321

 40.0438, 60.4894,
32.9538


 97.4284, 134.6817,
87.5869

 27.7571, 43.8132,
21.8202


 124.6159,
168.7485, 114.2705

 18.2821, 30.5237,
13.5278


156.4420,
208.1238, 145.8880

 11.2536, 20.2364,
7.6580

193.2721,
253.1922, 182.8578

 6.3063, 12.5670,
3.7923

235.4714,
304.3379, 225.5987

 3.0746, 7.1311,
1.5121

283.4054,

 1.1933, 3.5442,

361.9455, 274.5289

0.2269

337.4394,
426.3993, 330.0672

■ 0.1011, 1.4220,
0.0000

■ 0.0000, 0.2329,
0.0000

■ 55.5077, 80.9366,
47.3471

■ 55.5077, 80.9366,
47.3471

■ 49.3211, 77.9642,
37.2612

■ 63.0985, 84.5896,
59.4575

■ 44.4507, 75.6293,
29.0858

■ 72.1710, 88.9611,
73.6902

■ 40.8010, 73.8853,
22.7014

■ 82.7990, 94.0869,
90.1417

■ 38.2628, 72.6788,
17.9737

95.0500, 100.0000,
108.9000

■ 36.7070, 71.9465,
14.7492

■ 35.9355, 71.5902,
12.8443

■ 35.9355, 71.5902,
12.8442

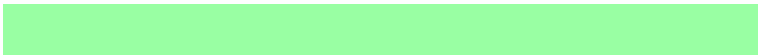
Harmonies

Analogous

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



65.5705, 80.9366, 31.4303



55.5077, 80.9366, 47.3471



51.2402, 80.9366, 79.6495

Triad

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



55.5077, 80.9366, 47.3471



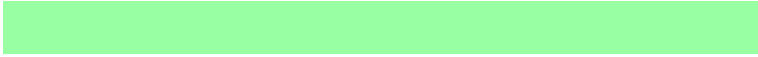
73.9081, 80.9366, 201.1654



107.0201, 80.9366, 58.1043

Complementary

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



55.5077, 80.9366, 47.3471



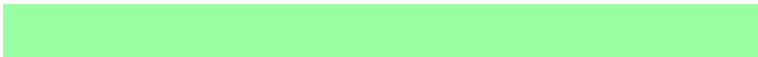
69.1126, 50.6354, 92.5160

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.



110.0220, 80.9366, 97.1839



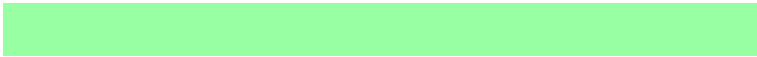
55.5077, 80.9366, 47.3471



89.5262, 80.9366, 189.5468

Square

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



55.5077, 80.9366, 47.3471



60.9202, 80.9366, 175.3156



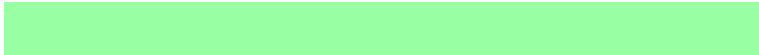
103.2517, 80.9366, 147.4057



95.5194, 80.9366, 36.0471

Rectangle

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



55.5077, 80.9366, 47.3471



51.7886, 80.9366, 110.1412



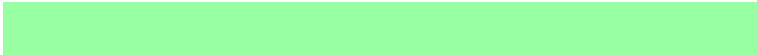
103.2517, 80.9366, 147.4057



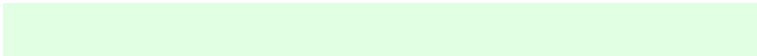
109.1150, 80.9366, 69.2595

Sweetspot

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



55.5082, 80.9369, 47.3484



80.5451, 92.9995, 86.6687



79.6916, 93.5033, 43.9853



16.9324, 19.7573, 18.0759



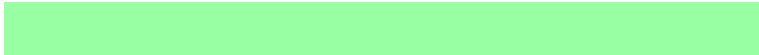
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

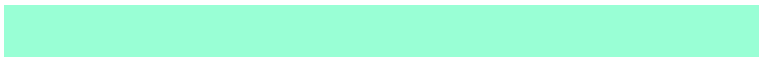
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.5082, 80.9369, 47.3484



50.4500, 78.5061, 39.1216



60.8440, 83.0712, 75.4464



17.8439, 20.1971, 19.4810



18.8008, 37.4169, 6.8364



1.8536, 3.6524, 0.7868

Inverse Universe

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



69.1126, 50.6354, 92.5160



65.7502, 44.3967, 89.8965



62.5385, 48.0057, 57.8970



18.7114, 18.2679, 22.3631



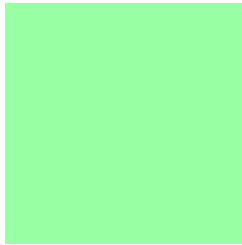
29.0430, 14.1065, 40.4726



2.8492, 1.3820, 4.0531

Previews

White Background



This preview shows how the XYZ color 55.5077, 80.9366, 47.3471 looks on a white background.

Color Contrast Check

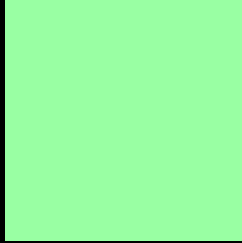
Large Text (above 18pt) WCAG AA × Fail

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 55.5077, 80.9366, 47.3471 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 55.5077, 80.9366, 47.3471

Background



This preview shows how black text looks on a background with the XYZ color 55.5077, 80.9366, 47.3471.



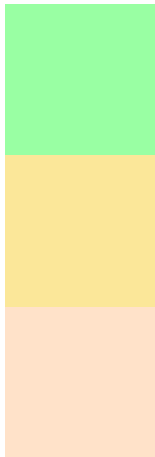
This preview shows how white text looks on a background with the XYZ color 55.5077, 80.9366,

47.3471.

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

55.5077, 80.9366, 47.3471

Protanopia

74.1093, 79.9610, 41.6650

Deuteranopia

78.9790, 79.8698, 66.5121



Tritanopia

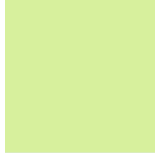
70.4453, 80.4873, 106.4305

Trichromacy



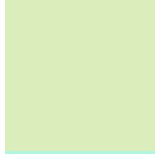
Original Color

55.5077, 80.9366, 47.3471



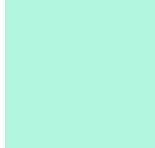
Protanomaly

65.2702, 79.2016, 43.7456



Deuteranomaly

68.1673, 79.0617, 58.6813



Tritanomaly

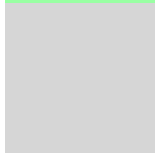
63.9687, 79.9259, 81.1630

Monochromacy



Original Color

55.5077, 80.9366, 47.3471



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 55.5077, 80.9366, 47.3471 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 163) }
```

Border

The CSS property to change the border of an element to XYZ 55.5077, 80.9366, 47.3471 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, 163) }
```


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

```
.border{ border-color:rgb(153, 255, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5077, 80.9366, 47.3471 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, 163) }
```

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

```
.background{ background-color: rgb(153,  
255, 163) }
```

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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