

Converting Colors

XYZ(55.4346, 80.7987, 51.8735)

Have a look what the booklet for
XYZ(55.4346, 80.7987, 51.8735)
contains.

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Color

**XYZ(55.4191, 80.7945,
51.7037)**

Conversions

Conversions Part 1

Format	Color
Hex	94FFAC
RGB	148, 255, 172
RGB Percent	58%, 100%, 67%
CMY	0.4196, 0.0000, 0.3255
CMYK	0.42, 0.00, 0.33, 0.00
HSL	133°, 100%, 79%
HSV	133°, 42%, 100%
XYZ	55.4191, 80.7945, 51.7037
YIQ	213.5450, -37.1290, -48.4970

Conversions

Conversions Part 2

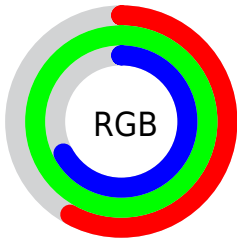
Format	Color
RYB	148, 235, 255
Decimal	9764780
CIELab	92.04, -47.98, 30.24
CIELCh	92, 56.715, 147.775
Yxy	80.7945, 0.2949, 0.4299
Android (android.graphics.Color)	4287954860 (0xFF94FFAC)
YUV	213.5450, -20.4817, -57.4830
Hunter-Lab	89.8858, -47.2458, 28.8155

Details

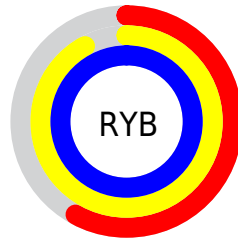
The XYZ color **55.4191, 80.7945, 51.7037** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.2537, 48.2096, 81.4138**, and the grayscale version is **63.7615, 67.0821, 73.0524**.

A 20% lighter version of the original color is **75.2172, 90.2432, 86.8531**, and **27.8382, 43.9442, 24.4676** is the 20% darker color. If you saturate the color by 10%, you get **49.5429, 77.9686, 42.2396**, and if you desaturate by 10%, it is **62.5950, 84.2576, 62.7071**.

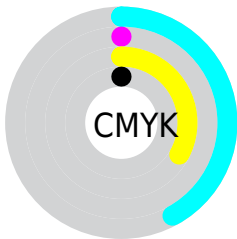
Distribution



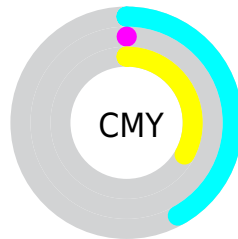
- Red (58%)
- Green (100%)
- Blue (67%)



- Red (58%)
- Yellow (92%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4191, 80.7945, 51.7037 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 55.4191, 80.7945, 51.7037 by changing the saturation by 10% instead.

 55.4191, 80.7945,
51.7037

 55.4191, 80.7945,
51.7037


397.6093,
497.6063, 410.2160

 39.9725, 60.3724,
36.3883


 97.2995, 134.4822,
94.1162

 27.7012, 43.7188,
24.4422


 124.4640,
168.5165, 122.0505

 18.2399, 30.4495,
15.4467


156.2652,
207.8570, 155.0281

 11.2231, 20.1800,
8.9834

193.0685,
252.8882, 193.4677

 6.2855, 12.5260,
4.6337

235.2392,
303.9942, 237.7877

 3.0617, 7.1030,
1.9790


283.1426,


 1.1865, 3.5266,


361.5597, 288.4068


0.5423


337.1442,
425.9689, 345.7433


 0.0957, 1.4124,
0.0000


 0.0000, 0.2259,
0.0000


 55.4191, 80.7945,
51.7037


 55.4191, 80.7945,
51.7037


 49.5429, 77.9686,
42.2396


 62.5950, 84.2576,
62.7071


 44.8851, 75.7395,
34.2424

 71.1420, 88.3937,
75.3105

 41.3571, 74.0633,
27.6392

 81.1283, 93.2364,
89.5757

 38.8573, 72.8891,
22.3497

 92.6167, 98.8170,
105.5602

■ 37.2648, 72.1564, 95.0500, 100.0000,
18.2847 108.9000

■ 36.5035, 71.8174,
15.8353

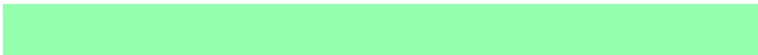
Harmonies

Analogous

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



64.4462, 80.7945, 34.3088



55.4191, 80.7945, 51.7037



52.0304, 80.7945, 84.8885

Triad

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



55.4191, 80.7945, 51.7037



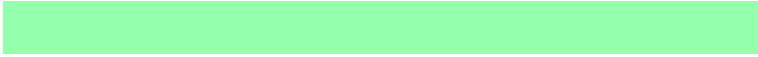
75.7086, 80.7945, 195.1688



104.3881, 80.7945, 55.5885

Complementary

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



55.4191, 80.7945, 51.7037



66.2537, 48.2096, 81.4138

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.



108.3787, 80.7945, 91.1282



55.4191, 80.7945, 51.7037



90.6233, 80.7945, 179.9382

Square

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



55.4191, 80.7945, 51.7037



62.7821, 80.7945, 174.9580



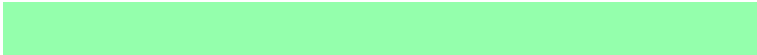
103.0571, 80.7945, 138.1524



92.7466, 80.7945, 36.0011

Rectangle

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



55.4191, 80.7945, 51.7037



53.0539, 80.7945, 114.8521



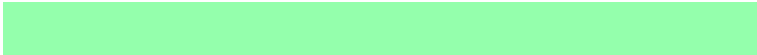
103.0571, 80.7945, 138.1524



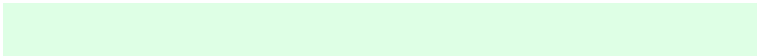
106.7286, 80.7945, 65.6508

Sweetspot

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



55.4196, 80.7947, 51.7050



80.0211, 92.6991, 88.0134



74.3247, 90.7833, 41.6231



16.6362, 19.6029, 18.1417



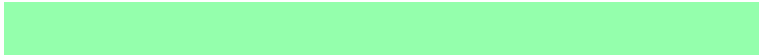
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.4196, 80.7947, 51.7050



50.5963, 78.4742, 43.9772



61.5204, 83.2350, 83.8316



17.9384, 20.2349, 19.9785



19.1196, 37.5444, 8.5150



1.9006, 3.6712, 1.0347

Inverse Universe

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



66.2537, 48.2096, 81.4138



62.6766, 42.0812, 77.0587



59.8979, 45.6673, 47.9445



18.6080, 18.2265, 21.8190



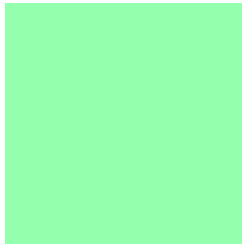
26.9218, 13.2580, 29.3026



2.6621, 1.3072, 3.0678

Previews

White Background



This preview shows how the XYZ color 55.4191, 80.7945, 51.7037 looks on a white background.

Color Contrast Check

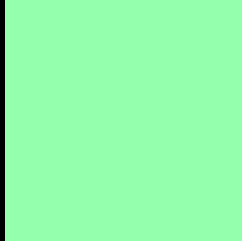
Large Text (above 18pt) WCAG AA × Fail

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 55.4191, 80.7945, 51.7037 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 55.4191, 80.7945, 51.7037

Background



This preview shows how black text looks on a background with the XYZ color 55.4191, 80.7945, 51.7037.

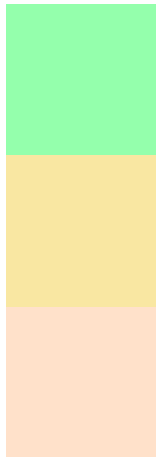


This preview shows how white text looks on a background with the XYZ color 55.4191, 80.7945,

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

55.4191, 80.7945, 51.7037

Protanopia

74.1644, 79.9002, 45.6958

Deuteranopia

78.8259, 79.3747, 67.0434



Tritanopia

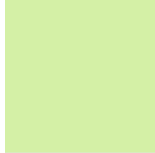
69.7036, 80.1050, 106.3958

Trichromacy



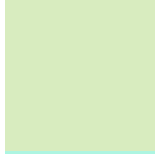
Original Color

55.4191, 80.7945, 51.7037



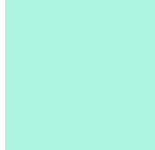
Protanomaly

65.1944, 79.0704, 47.9024



Deuteranomaly

67.7183, 78.3514, 60.8444



Tritanomaly

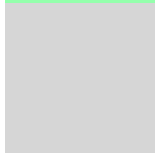
63.4766, 79.6253, 83.2578

Monochromacy



Original Color

55.4191, 80.7945, 51.7037



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.5633, 71.1093, 64.6190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4191, 80.7945, 51.7037 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(148, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 172)  
}
```

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(148, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 55.4191, 80.7945, 51.7037 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(148, 255, 172) }
```


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

```
.border{ border-color:rgb(148, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4191, 80.7945, 51.7037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 172) }
```

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

```
.background{ background-color: rgb(148,  
255, 172) }
```

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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