

Converting Colors

XYZ(54.6525, 80.4857, 47.7612)

Have a look what the booklet for
XYZ(54.6525, 80.4857, 47.7612)
contains.

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Color

**XYZ(54.6736, 80.4962,
47.7777)**

Conversions

Conversions Part 1

Format	Color
Hex	94FFA4
RGB	148, 255, 164
RGB Percent	58%, 100%, 64%
CMY	0.4196, 0.0000, 0.3569
CMYK	0.42, 0.00, 0.36, 0.00
HSL	129°, 100%, 79%
HSV	129°, 42%, 100%
XYZ	54.6736, 80.4962, 47.7777
YIQ	212.6330, -34.5610, -50.9850

Conversions

Conversions Part 2

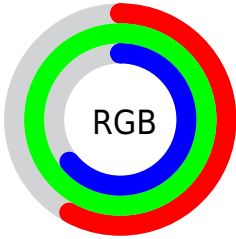
Format	Color
RYB	148, 241, 255
Decimal	9764772
CIELab	91.91, -49.29, 34.07
CIELCh	92, 59.914, 145.347
Yxy	80.4962, 0.2988, 0.4400
Android (android.graphics.Color)	4287954852 (0xFF94FFA4)
YUV	212.6330, -23.9761, -56.6831
Hunter-Lab	89.7197, -48.2347, 31.2305

Details

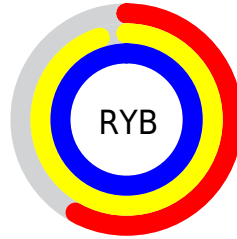
The XYZ color **54.6736, 80.4962, 47.7777** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.4100, 48.6723, 87.5023**, and the grayscale version is **63.1721, 66.4619, 72.3770**.

A 20% lighter version of the original color is **74.1319, 89.8091, 81.1379**, and **27.2798, 43.7095, 22.0379** is the 20% darker color. If you saturate the color by 10%, you get **48.7635, 77.6568, 38.1350**, and if you desaturate by 10%, it is **61.9347, 83.9935, 59.2295**.

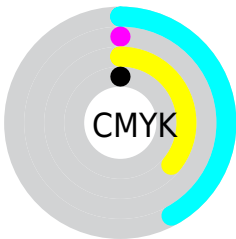
Distribution



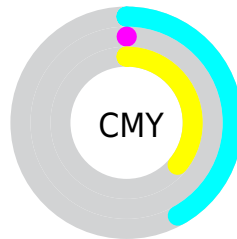
- Red (58%)
- Green (100%)
- Blue (64%)



- Red (58%)
- Yellow (95%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6736, 80.4962, 47.7777 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 54.6736, 80.4962, 47.7777 by changing the saturation by 10% instead.


 54.6736, 80.4962,
47.7777


 54.6736, 80.4962,
47.7777


394.8300,
496.6035, 394.3936

 39.3733, 60.1268,
33.2921


 96.2137, 134.0631,
88.2354

 27.2323, 43.5208,
22.0774


 123.1841,
168.0294, 115.0447

 17.8852, 30.2940,
13.7149


154.7753,
207.2968, 146.7989

 10.9668, 20.0618,
7.7862

191.3526,
252.2496, 183.9166

 6.1116, 12.4400,
3.8726

233.2814,
303.2723, 226.8164

 2.9544, 7.0441,
1.5557

280.9270,

 1.1297, 3.4897,

360.7493, 275.9168

0.2589

334.6548,
425.0648, 331.6364

0.0497, 1.3924,
0.0000

0.0000, 0.2111,
0.0000

54.6736, 80.4962,
47.7777

54.6736, 80.4962,
47.7777

48.7635, 77.6568,
38.1350

61.9347, 83.9935,
59.2295

44.1184, 75.4329,
30.2050

70.6221, 88.1857,
72.5721

40.6449, 73.7784,
23.8885

80.8078, 93.1082,
87.8872

38.2354, 72.6403,
19.0745

92.5580, 98.7935,
105.2503

■ 36.7621, 71.9554,
15.6377

95.0500, 100.0000,
108.9000

■ 36.1120, 71.6608,
13.7737

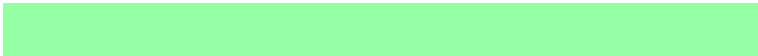
Harmonies

Analogous

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



64.5369, 80.4962, 31.2328



54.6736, 80.4962, 47.7777



50.6617, 80.4962, 80.9559

Triad

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



54.6736, 80.4962, 47.7777



74.1359, 80.4962, 202.0319



106.4607, 80.4962, 56.1644

Complementary

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



54.6736, 80.4962, 47.7777



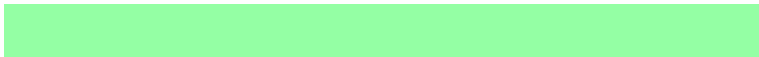
67.4100, 48.6723, 87.5023

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.



109.9238, 80.4962, 94.6963



54.6736, 80.4962, 47.7777



89.8776, 80.4962, 188.6031

Square

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



54.6736, 80.4962, 47.7777



60.8989, 80.4962, 177.3848



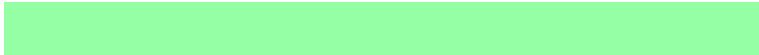
103.4994, 80.4962, 145.1481



94.5822, 80.4962, 34.8140

Rectangle

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



54.6736, 80.4962, 47.7777



51.3922, 80.4962, 112.0223



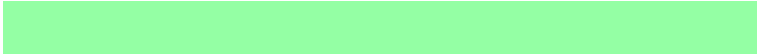
103.4994, 80.4962, 145.1481



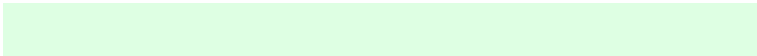
108.7099, 80.4962, 67.0914

Sweetspot

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



54.6741, 80.4965, 47.7790



79.6768, 92.5613, 86.2005



77.2902, 92.3121, 41.7620



16.5522, 19.5693, 17.6998



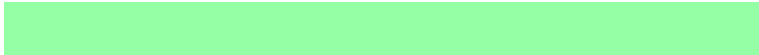
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

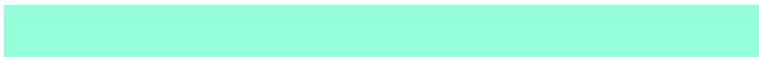
The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.6741, 80.4965, 47.7790



49.8196, 78.1635, 39.8873



60.3376, 82.7619, 77.6026



17.8822, 20.2124, 19.6829



18.9022, 37.4575, 7.3704



1.8716, 3.6596, 0.8815

Inverse Universe

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



67.4100, 48.6723, 87.5023



64.0247, 42.6205, 84.1580



60.8249, 46.0382, 52.8258



18.6690, 18.2509, 22.1402



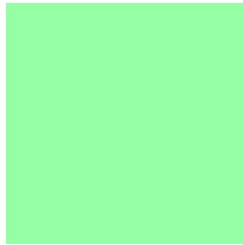
28.1283, 13.7406, 35.6556



2.7691, 1.3500, 3.6314

Previews

White Background



This preview shows how the XYZ color 54.6736, 80.4962, 47.7777 looks on a white background.

Color Contrast Check

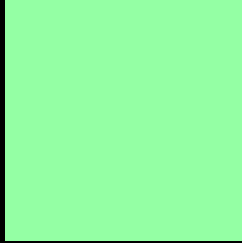
Large Text (above 18pt) WCAG AA × Fail

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 54.6736, 80.4962, 47.7777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

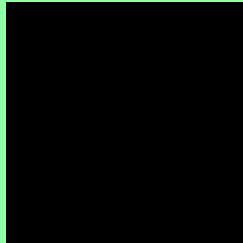
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.6736, 80.4962, 47.7777

Background



This preview shows how black text looks on a background with the XYZ color 54.6736, 80.4962, 47.7777.



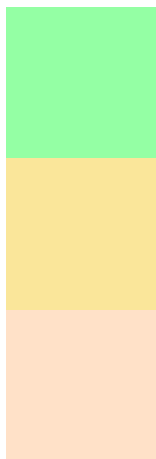
This preview shows how white text looks on a background with the XYZ color 54.6736, 80.4962,

47.7777.

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

54.6736, 80.4962, 47.7777

Protanopia

73.5539, 79.2507, 41.9921

Deuteranopia

78.5905, 79.2806, 65.8041



Tritanopia

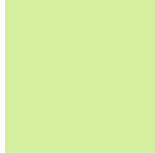
69.4598, 79.9793, 106.3844

Trichromacy



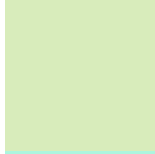
Original Color

54.6736, 80.4962, 47.7777



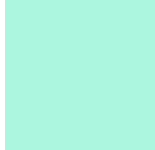
Protanomaly

64.4786, 78.3478, 44.0720



Deuteranomaly

67.2840, 78.1777, 58.5573



Tritanomaly

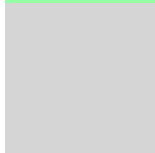
62.8505, 79.3494, 81.1106

Monochromacy



Original Color

54.6736, 80.4962, 47.7777



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.5800, 70.2458, 62.1011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6736, 80.4962, 47.7777 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 54.6736, 80.4962, 47.7777 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, 164) }
```


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

```
.border{ border-color:rgb(148, 255, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6736, 80.4962, 47.7777 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, 164) }
```

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

```
.background{ background-color: rgb(148,  
255, 164) }
```

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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