

Converting Colors

XYZ(54.4888, 80.6934, 34.5590)

Have a look what the booklet for
XYZ(54.4888, 80.6934, 34.5590)
contains.

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Color

**XYZ(54.4221, 80.6595,
34.5303)**

Conversions

Conversions Part 1

Format	Color
Hex	A0FF84
RGB	160, 255, 132
RGB Percent	63%, 100%, 52%
CMY	0.3725, 0.0000, 0.4823
CMYK	0.37, 0.00, 0.48, 0.00
HSL	106°, 100%, 76%
HSV	106°, 48%, 100%
XYZ	54.4221, 80.6595, 34.5303
YIQ	212.5730, -17.1370, -58.3930

Conversions

Conversions Part 2

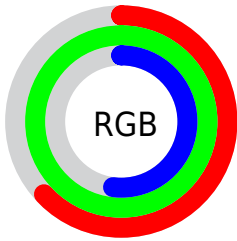
Format	Color
RYB	132, 255, 227
Decimal	10551172
CIELab	91.98, -50.24, 49.78
CIELCh	92, 70.728, 135.260
Yxy	80.6595, 0.3209, 0.4756
Android (android.graphics.Color)	4288741252 (0xFFA0FF84)
YUV	212.5730, -39.7225, -46.1065
Hunter-Lab	89.8106, -49.0039, 40.0717

Details

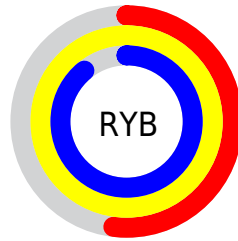
The XYZ color **54.4221, 80.6595, 34.5303** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.9811, 40.0548, 99.2831**, and the grayscale version is **63.2254, 66.5181, 72.4382**.

A 20% lighter version of the original color is **73.6431, 90.0133, 60.5066**, and **27.1989, 43.8362, 14.4248** is the 20% darker color. If you saturate the color by 10%, you get **49.2545, 78.1731, 26.2663**, and if you desaturate by 10%, it is **60.6407, 83.6384, 45.0718**.

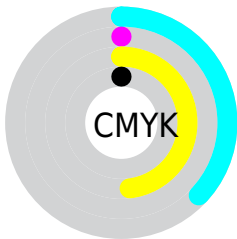
Distribution



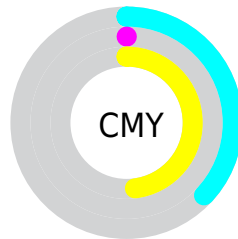
- Red (63%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (89%)



- Cyan (37%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.4221, 80.6595, 34.5303 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 54.4221, 80.6595, 34.5303 by changing the saturation by 10% instead.


 54.4221, 80.6595,
34.5303


 54.4221, 80.6595,
34.5303


393.8897,
497.1526, 337.3313


 39.1712, 60.2612,
23.0206


 95.8470, 134.2926,
67.9008

 27.0743, 43.6292,
14.4033


 122.7517,
168.2961, 90.5987

 17.7659, 30.3791,
8.2598


 154.2718,
207.6035, 117.8631

 10.8807, 20.1265,
4.1715

190.7726,
252.5992, 150.1125

 6.0534, 12.4870,
1.7199

232.6194,
303.6676, 187.7655

 2.9185, 7.0763,
0.3743

280.1776,

 1.1108, 3.5099,

361.1930, 231.2406

0.0000

333.8126,
425.5599, 280.9563

0.0341, 1.4034,
0.0000

0.0000, 0.2192,
0.0000

54.4221, 80.6595,
34.5303

54.4221, 80.6595,
34.5303

49.2545, 78.1731,
26.2663

60.6407, 83.6384,
45.0718

45.0759, 76.1509,
20.1081

67.9649, 87.1348,
58.0382

41.8190, 74.5624,
15.8659

76.4469, 91.1725,
73.5686

39.4065, 73.3728,
13.3140

86.1351, 95.7737,
91.7908

■ 37.7415, 72.5387, 95.0500, 100.0000,
12.1415 108.9000

■ 37.5075, 72.4209,
12.0018

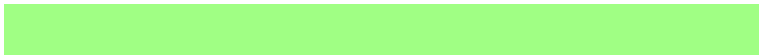
Harmonies

Analogous

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



67.8283, 80.6595, 22.3274



54.4221, 80.6595, 34.5303



47.5883, 80.6595, 64.7401

Triad

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



54.4221, 80.6595, 34.5303



68.1116, 80.6595, 224.5458



115.5670, 80.6595, 64.0254

Complementary

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



54.4221, 80.6595, 34.5303



57.9811, 40.0548, 99.2831

Split Complementary

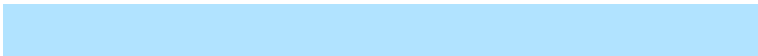
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.6751, 80.6595, 115.8319



54.4221, 80.6595, 34.5303



86.2364, 80.6595, 224.1057

Square

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



54.4221, 80.6595, 34.5303



54.6011, 80.6595, 179.8351



104.2662, 80.6595, 178.7994



103.9906, 80.6595, 34.1861

Rectangle

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



54.4221, 80.6595, 34.5303



46.8623, 80.6595, 97.3249



104.2662, 80.6595, 178.7994



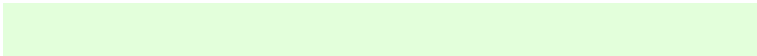
116.9995, 80.6595, 78.9634

Sweetspot

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



54.4225, 80.6597, 34.5315



80.3989, 93.0506, 80.9482



72.6833, 77.4825, 32.9558



16.7718, 19.7091, 16.5083



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

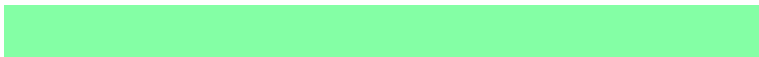
The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.4225, 80.6597, 34.5315



49.3639, 78.2259, 26.4349



52.0498, 79.1352, 48.0345



18.1583, 20.3675, 19.1186



19.7042, 37.8959, 6.2761



2.0085, 3.7362, 0.6153

Inverse Universe

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



57.9811, 40.0548, 99.2831



53.2387, 33.1809, 98.2063



62.7035, 43.0482, 74.2528



18.3645, 18.0797, 22.7718



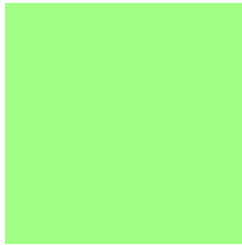
21.5930, 10.0421, 50.2348



2.1965, 1.0262, 4.8956

Previews

White Background



This preview shows how the XYZ color 54.4221, 80.6595, 34.5303 looks on a white background.

Color Contrast Check

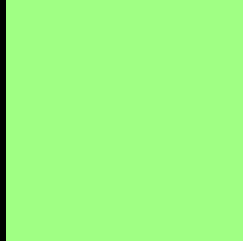
Large Text (above 18pt) WCAG AA × Fail

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 54.4221, 80.6595, 34.5303 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

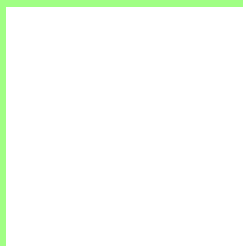
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.4221, 80.6595, 34.5303

Background



This preview shows how black text looks on a background with the XYZ color 54.4221, 80.6595, 34.5303.

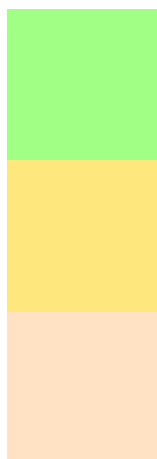


This preview shows how white text looks on a background with the XYZ color 54.4221, 80.6595,

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

54.4221, 80.6595, 34.5303

Protanopia

73.0871, 79.6779, 30.5961

Deuteranopia

78.2867, 79.5928, 62.8666



Tritanopia

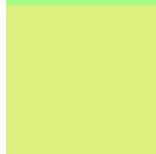
70.6547, 80.1595, 106.3562

Trichromacy



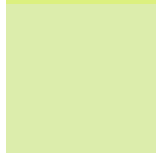
Original Color

54.4221, 80.6595, 34.5303



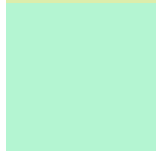
Protanomaly

64.5061, 79.0681, 31.9405



Deuteranomaly

67.2458, 78.7626, 50.6882



Tritanomaly

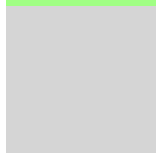
63.1077, 79.6613, 73.0228

Monochromacy



Original Color

54.4221, 80.6595, 34.5303



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.6433, 70.4168, 55.8484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.4221, 80.6595, 34.5303 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(160, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 132)  
}
```

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(160, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 54.4221, 80.6595, 34.5303 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(160, 255, 132) }
```


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

```
.border{ border-color:rgb(160, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 54.4221, 80.6595, 34.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 132) }
```

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

```
.background{ background-color: rgb(160,  
255, 132) }
```

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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