

Converting Colors

XYZ(54.2329, 80.6963, 28.4543)

Have a look what the booklet for
XYZ(54.2329, 80.6963, 28.4543)
contains.

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Color

**XYZ(54.2577, 80.7116,
28.3420)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FF71
RGB	165, 255, 113
RGB Percent	65%, 100%, 44%
CMY	0.3529, 0.0000, 0.5568
CMYK	0.35, 0.00, 0.56, 0.00
HSL	98°, 100%, 72%
HSV	98°, 56%, 100%
XYZ	54.2577, 80.7116, 28.3420
YIQ	211.9020, -8.0580, -63.2420

Conversions

Conversions Part 2

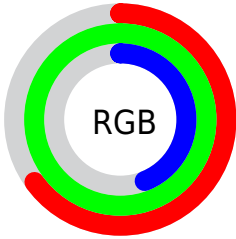
Format	Color
RYB	113, 255, 203
Decimal	10878833
CIELab	92.00, -50.76, 58.51
CIELCh	92, 77.461, 130.940
Yxy	80.7116, 0.3322, 0.4942
Android (android.graphics.Color)	4289068913 (0xFFA5FF71)
YUV	211.9020, -48.7587, -41.1331
Hunter-Lab	89.8396, -49.4162, 44.1833

Details

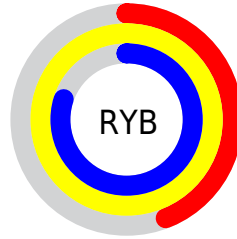
The XYZ color **54.2577, 80.7116, 28.3420** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **48.5852, 31.7282, 98.1712**, and the grayscale version is **62.8317, 66.1038, 71.9870**.

A 20% lighter version of the original color is **73.5684, 90.1944, 50.5776**, and **27.0212, 43.8195, 11.0368** is the 20% darker color. If you saturate the color by 10%, you get **49.8658, 78.5907, 21.6665**, and if you desaturate by 10%, it is **59.4782, 83.2130, 37.1634**.

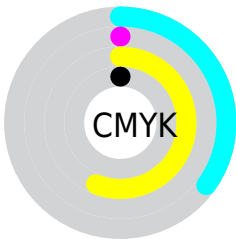
Distribution



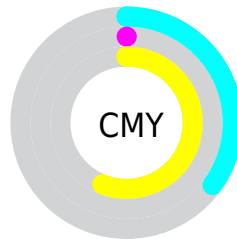
- Red (65%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (80%)



- Cyan (35%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.2577, 80.7116, 28.3420 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 54.2577, 80.7116, 28.3420 by changing the saturation by 10% instead.


 54.2577, 80.7116,
28.3420

 54.2577, 80.7116,
28.3420


393.2743,
497.3277, 308.0607


 39.0392, 60.3041,
18.3423


 95.6072, 134.3657,
58.0597

 26.9711, 43.6638,
11.0241


 122.4689,
168.3812, 78.6147

 17.6880, 30.4063,
5.9687


 153.9424,
207.7014, 103.5254

 10.8245, 20.1472,
2.7575

190.3931,
252.7108, 133.2101

 6.0154, 12.5021,
0.9722

232.1862,
303.7937, 168.0874

 2.8952, 7.0866,
0.0000

279.6873,

 1.0986, 3.5163,

361.3346, 208.5760

0.0000

333.2615,
425.7178, 255.0942

0.0239, 1.4069,
0.0000

0.0000, 0.2218,
0.0000

54.2577, 80.7116,
28.3420

54.2577, 80.7116,
28.3420

49.8658, 78.5907,
21.6665

59.4782, 83.2130,
37.1634

46.2513, 76.8280,
16.9496


65.5724, 86.1147,
48.2896


43.3570, 75.3987,
13.9780

72.5823, 89.4352,
61.8687

41.1148, 74.2735,
12.4860

80.5471, 93.1916,
78.0352

 40.3124, 73.8668,
12.1330

 89.5034, 97.4002,
96.9140

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



69.6736, 80.7116, 18.1943



54.2577, 80.7116, 28.3420



45.9134, 80.7116, 56.7120

Triad

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



54.2577, 80.7116, 28.3420



64.8759, 80.7116, 237.6367



120.7887, 80.7116, 68.6678

Complementary

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



54.2577, 80.7116, 28.3420



48.5852, 31.7282, 98.1712

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.



118.8991, 80.7116, 128.7805



54.2577, 80.7116, 28.3420



84.2133, 80.7116, 245.5238

Square

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



54.2577, 80.7116, 28.3420



51.2705, 80.7116, 181.1132



104.6420, 80.7116, 199.4852



109.4292, 80.7116, 33.8263

Rectangle

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



54.2577, 80.7116, 28.3420



44.4421, 80.7116, 89.6926



104.6420, 80.7116, 199.4852



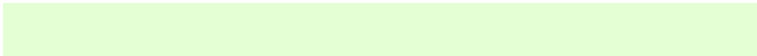
121.7260, 80.7116, 86.0944

Sweetspot

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



54.2580, 80.7117, 28.3432



79.4436, 92.6720, 75.7565



65.5614, 65.1334, 24.7405



16.6505, 19.6690, 15.4893



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.



54.2580, 80.7117, 28.3432



49.3471, 78.3389, 20.9384



46.7311, 76.6952, 34.1478



18.3996, 20.4919, 19.1299



21.2135, 38.6740, 6.3468



2.1806, 3.8249, 0.6234

Inverse Universe

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



48.5852, 31.7282, 98.1712



43.0813, 24.8477, 97.1332



62.2957, 39.1312, 83.6778



18.1100, 17.9484, 22.7598



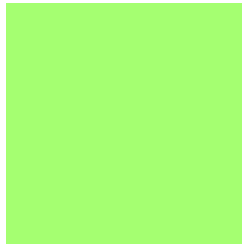
17.3473, 7.8533, 50.0361



1.8093, 0.8266, 4.8775

Previews

White Background



This preview shows how the XYZ color 54.2577, 80.7116, 28.3420 looks on a white background.

Color Contrast Check

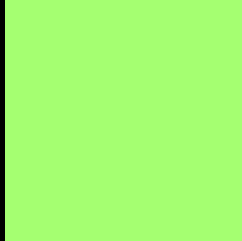
Large Text (above 18pt) WCAG AA × Fail

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 54.2577, 80.7116, 28.3420 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

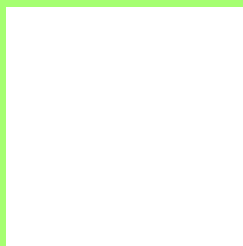
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.2577, 80.7116, 28.3420

Background



This preview shows how black text looks on a background with the XYZ color 54.2577, 80.7116, 28.3420.

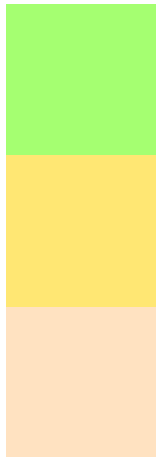


This preview shows how white text looks on a background with the XYZ color 54.2577, 80.7116,

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

54.2577, 80.7116, 28.3420

Protanopia

72.9104, 79.6496, 27.7508

Deuteranopia

78.0620, 79.5030, 61.6834



Tritanopia

71.1302, 79.9712, 106.2948

Trichromacy



Original Color

54.2577, 80.7116, 28.3420



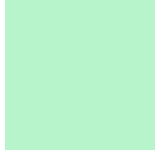
Protanomaly

64.3216, 79.0647, 27.7905



Deuteranomaly

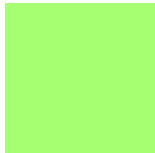
67.1092, 78.7783, 46.7907



Tritanomaly

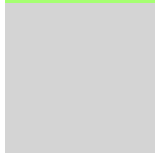
62.8973, 79.2035, 68.4727

Monochromacy



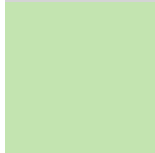
Original Color

54.2577, 80.7116, 28.3420



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.0856, 70.2235, 51.5674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.2577, 80.7116, 28.3420 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(165, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 113)  
}
```

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(165, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 113) }
```

Border

The CSS property to change the border of an element to XYZ 54.2577, 80.7116, 28.3420 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(165, 255, 113) }
```


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

```
.border{ border-color:rgb(165, 255, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 54.2577, 80.7116, 28.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 113) }
```

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

```
.background{ background-color: rgb(165,  
255, 113) }
```

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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