

Converting Colors

XYZ(88.3208, 150.6281,
44.3649)

Have a look what the booklet for
XYZ(88.3208, 150.6281, 44.3649)
contains.

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Color

**XYZ(53.1083, 80.0209,
32.7251)**

Conversions

Conversions Part 1

Format	Color
Hex	9BFF7F
RGB	155, 255, 127
RGB Percent	61%, 100%, 50%
CMY	0.3922, 0.0000, 0.5019
CMYK	0.39, 0.00, 0.50, 0.00
HSL	107°, 100%, 75%
HSV	107°, 50%, 100%
XYZ	53.1083, 80.0209, 32.7251
YIQ	210.5080, -18.5120, -61.0080

Conversions

Conversions Part 2

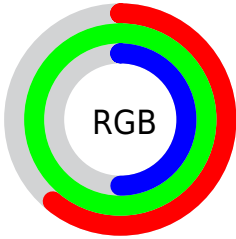
Format	Color
RYB	127, 255, 227
Decimal	10223487
CIELab	91.69, -52.38, 51.71
CIElCh	92, 73.602, 135.366
Yxy	80.0209, 0.3202, 0.4825
Android (android.graphics.Color)	4288413567 (0xFF9BFF7F)
YUV	210.5080, -41.1694, -48.6805
Hunter-Lab	89.4544, -50.5713, 40.9280

Details

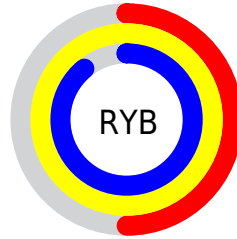
The XYZ color **53.1083, 80.0209, 32.7251** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **57.3194, 38.7310, 99.0625**, and the grayscale version is **61.8636, 65.0853, 70.8779**.

A 20% lighter version of the original color is **71.9351, 89.1935, 57.6807**, and **26.3599, 43.4240, 13.4709** is the 20% darker color. If you saturate the color by 10%, you get **48.1379, 77.6268, 24.8880**, and if you desaturate by 10%, it is **59.1306, 82.9085, 42.8088**.

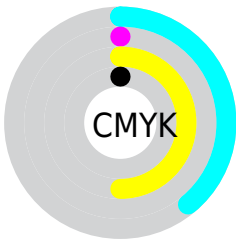
Distribution



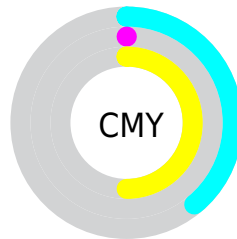
- Red (61%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1083, 80.0209, 32.7251 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 53.1083, 80.0209, 32.7251 by changing the saturation by 10% instead.


 53.1083, 80.0209,
32.7251

 53.1083, 80.0209,
32.7251


388.9545,
495.0033, 329.0031


 38.1171, 59.7356,
21.6465


 93.9283, 133.3951,
65.0572

 26.2512, 43.2055,
13.4016


 120.4878,
167.2528, 87.1477

 17.1453, 30.0464,
7.5717


 151.6340,
206.4033, 113.7461

 10.4341, 19.8738,
3.7383

187.7324,
251.2312, 145.2707

 5.7522, 12.3033,
1.4829

229.1483,
302.1207, 182.1402

 2.7342, 6.9506,
0.2051

276.2471,

 1.0148, 3.4312,

359.4563, 224.7731

0.0000

329.3940,
423.6223, 273.5879

0.0000, 1.3608,
0.0000

0.0000, 0.1876,
0.0000

53.1083, 80.0209,
32.7251

53.1083, 80.0209,
32.7251

48.1379, 77.6268,
24.8880

59.1306, 82.9085,
42.8088

44.1553, 75.6972,
19.1219

66.2618, 86.3159,
55.2895

41.0902, 74.2001,
15.2312

74.5556, 90.2677,
70.3089

38.8615, 73.0986,
12.9811

84.0619, 94.7867,
87.9964

■ 37.3784, 72.3543,
11.9957

94.8275, 99.8945,
108.4728

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.



66.8680, 80.0209, 20.5429



53.1083, 80.0209, 32.7251



46.1484, 80.0209, 63.4861

Triad

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



53.1083, 80.0209, 32.7251



67.2785, 80.0209, 230.7443



116.5477, 80.0209, 62.4568

Complementary

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



53.1083, 80.0209, 32.7251



57.3194, 38.7310, 99.0625

Split Complementary

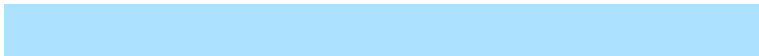
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.7068, 80.0209, 116.0153



53.1083, 80.0209, 32.7251



86.0524, 80.0209, 230.0893

Square

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



53.1083, 80.0209, 32.7251



53.3659, 80.0209, 183.6132



104.8162, 80.0209, 182.0794



104.4121, 80.0209, 32.2404

Rectangle

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



53.1083, 80.0209, 32.7251



45.4247, 80.0209, 97.1820



104.8162, 80.0209, 182.0794



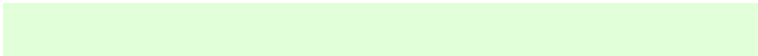
118.0625, 80.0209, 77.7946

Sweetspot

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



53.1086, 80.0210, 32.7263



79.3395, 92.5430, 79.1562



72.0325, 76.7154, 31.0909



16.5579, 19.6064, 16.1554



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.



53.1086, 80.0210, 32.7263



48.2251, 77.6689, 25.0203



50.9579, 78.6103, 46.2686



18.1430, 20.3596, 19.1179



19.6334, 37.8595, 6.2728



1.9996, 3.7316, 0.6149

Inverse Universe

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



57.3194, 38.7310, 99.0625



52.7831, 32.1789, 98.0369



61.8633, 41.6530, 73.0934



18.3810, 18.0882, 22.7725



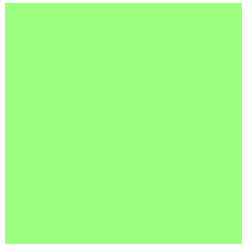
21.9023, 10.2015, 50.2493



2.2242, 1.0405, 4.8969

Previews

White Background



This preview shows how the XYZ color 53.1083, 80.0209, 32.7251 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 53.1083, 80.0209, 32.7251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

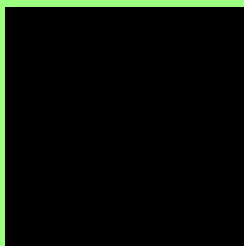
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

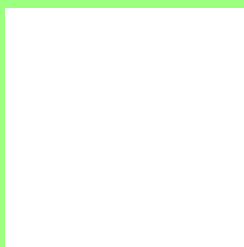
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.1083, 80.0209, 32.7251

Background



This preview shows how black text looks on a background with the XYZ color 53.1083, 80.0209, 32.7251.



This preview shows how white text looks on a background with the XYZ color 53.1083, 80.0209,

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

53.1083, 80.0209, 32.7251

Protanopia

72.4996, 78.9964, 28.8794

Deuteranopia

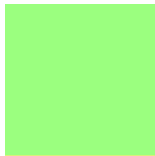
77.6796, 78.9162, 61.0074



Tritanopia

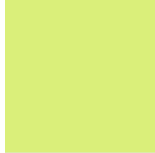
69.6555, 79.6444, 106.3094

Trichromacy



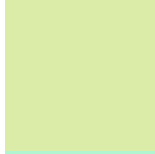
Original Color

53.1083, 80.0209, 32.7251



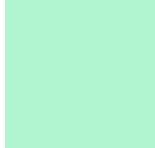
Protanomaly

63.2928, 78.0436, 30.1404



Deuteranomaly

66.2768, 77.8781, 48.5846



Tritanomaly

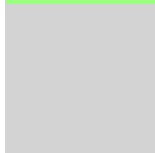
61.9421, 79.0890, 71.6755

Monochromacy



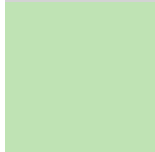
Original Color

53.1083, 80.0209, 32.7251



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.1932, 69.3098, 53.5438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1083, 80.0209, 32.7251 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(155, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 127)  
}
```

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(155, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 127) }
```

Border

The CSS property to change the border of an element to XYZ 53.1083, 80.0209, 32.7251 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(155, 255, 127) }
```


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

```
.border{ border-color:rgb(155, 255, 127) }
```

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

Here you see how a box with a 4 pixel rgb(155, 255, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1083, 80.0209, 32.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 127) }
```

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

```
.background{ background-color: rgb(155,  
255, 127) }
```

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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