

Converting Colors

XYZ(87.8372, 149.2808,
43.7806)

Have a look what the booklet for
XYZ(87.8372, 149.2808, 43.7806)
contains.

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Color

**XYZ(53.2362, 80.0943,
32.3926)**

Conversions

Conversions Part 1

Format	Color
Hex	9CFF7E
RGB	156, 255, 126
RGB Percent	61%, 100%, 49%
CMY	0.3882, 0.0000, 0.5059
CMYK	0.39, 0.00, 0.51, 0.00
HSL	106°, 100%, 75%
HSV	106°, 51%, 100%
XYZ	53.2362, 80.0943, 32.3926
YIQ	210.6930, -17.5950, -61.1070

Conversions

Conversions Part 2

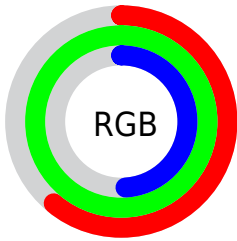
Format	Color
RYB	126, 255, 225
Decimal	10289022
CIELab	91.73, -52.19, 52.22
CIElCh	92, 73.829, 134.980
Yxy	80.0943, 0.3212, 0.4833
Android (android.graphics.Color)	4288479102 (0xFF9CFF7E)
YUV	210.6930, -41.7536, -47.9658
Hunter-Lab	89.4954, -50.4366, 41.1870

Details

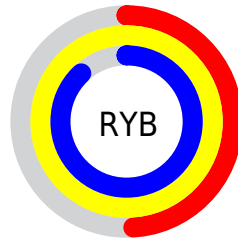
The XYZ color **53.2362, 80.0943, 32.3926** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **56.5637, 38.1507, 98.9903**, and the grayscale version is **61.9891, 65.2174, 71.0217**.

A 20% lighter version of the original color is **72.1248, 89.3033, 57.1519**, and **26.4337, 43.4659, 13.2999** is the 20% darker color. If you saturate the color by 10%, you get **48.3081, 77.7202, 24.6402**, and if you desaturate by 10%, it is **59.1945, 82.9509, 42.3843**.

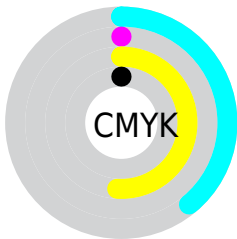
Distribution



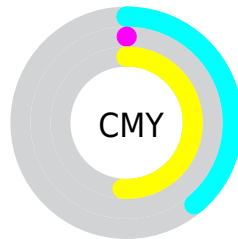
- Red (61%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (88%)



- Cyan (39%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2362, 80.0943, 32.3926 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 53.2362, 80.0943, 32.3926 by changing the saturation by 10% instead.


 53.2362, 80.0943,
32.3926

 53.2362, 80.0943,
32.3926


389.4367,
495.2506, 327.4515


 38.2196, 59.7960,
21.3943


 94.1153, 133.4983,
64.5311

 26.3312, 43.2542,
13.2184


 120.7086,
167.3728, 86.5083

 17.2055, 30.0846,
7.4466


 151.8914,
206.5414, 112.9823

 10.4773, 19.9028,
3.6603

188.0291,
251.3885, 144.3715

 5.7813, 12.3244,
1.4409

229.4872,
302.2986, 181.0944

 2.7519, 6.9650,
0.1733

276.6309,

 1.0240, 3.4402,

359.6561, 223.5697

0.0000

329.8256,
423.8453, 272.2159

0.0000, 1.3657,
0.0000

0.0000, 0.1912,
0.0000

53.2362, 80.0943,
32.3926

53.2362, 80.0943,
32.3926

48.3081, 77.7202,
24.6402

59.1945, 82.9509,
42.3843

44.3474, 75.8003,
18.9508

66.2383, 86.3153,
54.7663

41.2858, 74.3034,
15.1278

74.4200, 90.2115,
69.6805

39.0438, 73.1938,
12.9344

83.7882, 94.6617,
87.2569

■ 37.5813, 72.4589,
12.0052

94.3888, 99.6868,
107.6164

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.



67.1215, 80.0943, 20.3862



53.2362, 80.0943, 32.3926



46.1657, 80.0943, 62.9395

Triad

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



53.2362, 80.0943, 32.3926



67.0994, 80.0943, 231.1475



116.8689, 80.0943, 62.9950

Complementary

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



53.2362, 80.0943, 32.3926



56.5637, 38.1507, 98.9903

Split Complementary

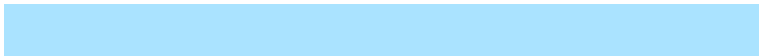
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.8603, 80.0943, 117.0310



53.2362, 80.0943, 32.3926



85.9045, 80.0943, 231.1829

Square

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



53.2362, 80.0943, 32.3926



53.2223, 80.0943, 183.3086



104.7878, 80.0943, 183.3914



104.8096, 80.0943, 32.4187

Rectangle

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



53.2362, 80.0943, 32.3926



45.3797, 80.0943, 96.5525



104.7878, 80.0943, 183.3914



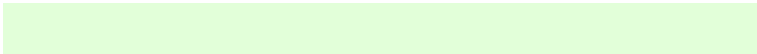
118.3348, 80.0943, 78.4888

Sweetspot

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



53.2365, 80.0944, 32.3938



79.5046, 92.6281, 79.1640



71.9045, 76.5633, 30.7283



16.5972, 19.6267, 16.1572



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

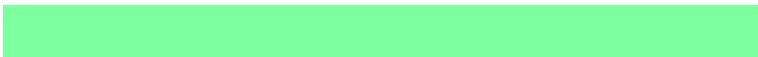
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.2365, 80.0944, 32.3938



48.1257, 77.6321, 24.3655



50.7452, 78.5081, 45.9217



18.1668, 20.3719, 19.1190



19.7445, 37.9168, 6.2780



2.0135, 3.7387, 0.6155

Inverse Universe

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



56.5637, 38.1507, 98.9903



51.7164, 31.2627, 97.9163



61.6994, 41.3819, 72.8638



18.3554, 18.0750, 22.7713



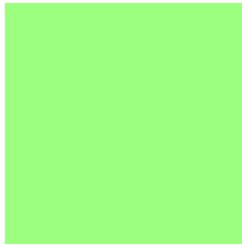
21.4242, 9.9550, 50.2269



2.1814, 1.0184, 4.8949

Previews

White Background



This preview shows how the XYZ color 53.2362, 80.0943, 32.3926 looks on a white background.

Color Contrast Check

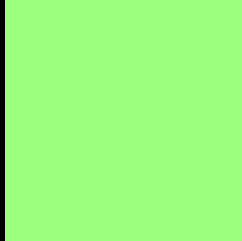
Large Text (above 18pt) WCAG AA × Fail

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 53.2362, 80.0943, 32.3926 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

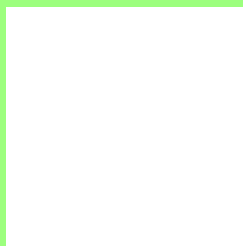
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.2362, 80.0943, 32.3926

Background



This preview shows how black text looks on a background with the XYZ color 53.2362, 80.0943, 32.3926.

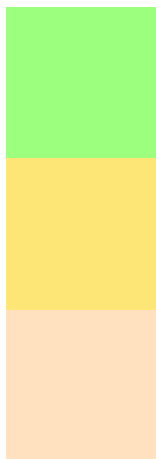


This preview shows how white text looks on a background with the XYZ color 53.2362, 80.0943,

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

53.2362, 80.0943, 32.3926

Protanopia

72.4399, 78.9725, 28.5648

Deuteranopia

77.6796, 78.9162, 61.0074



Tritanopia

69.9028, 79.7718, 106.3210

Trichromacy



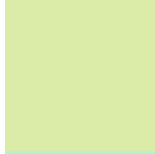
Original Color

53.2362, 80.0943, 32.3926



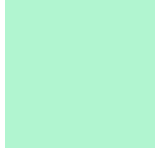
Protanomaly

63.2311, 78.0189, 29.8157



Deuteranomaly

66.2768, 77.8781, 48.5846



Tritanomaly

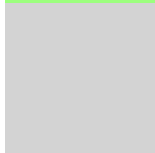
62.1690, 79.2060, 71.6861

Monochromacy



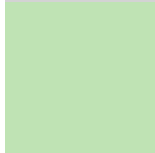
Original Color

53.2362, 80.0943, 32.3926



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 53.2362, 80.0943, 32.3926 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(156, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 126)  
}
```

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(156, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 126) }
```

Border

The CSS property to change the border of an element to XYZ 53.2362, 80.0943, 32.3926 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(156, 255, 126) }
```


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

```
.border{ border-color:rgb(156, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 255, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 255, 126); box-shadow:4px 4px 4px 4px rgb(156, 255, 126) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2362, 80.0943, 32.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 126) }
```

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

```
.background{ background-color: rgb(156,  
255, 126) }
```

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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