

Converting Colors

XYZ(83.2008, 140.3761,
42.4269)

Have a look what the booklet for
XYZ(83.2008, 140.3761, 42.4269)
contains.

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Color

**XYZ(53.0435, 79.9949,
32.3835)**

Conversions

Conversions Part 1

Format	Color
Hex	9BFF7E
RGB	155, 255, 126
RGB Percent	61%, 100%, 49%
CMY	0.3922, 0.0000, 0.5059
CMYK	0.39, 0.00, 0.51, 0.00
HSL	107°, 100%, 75%
HSV	107°, 51%, 100%
XYZ	53.0435, 79.9949, 32.3835
YIQ	210.3940, -18.1910, -61.3190

Conversions

Conversions Part 2

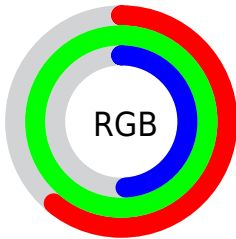
Format	Color
RYB	126, 255, 226
Decimal	10223486
CIELab	91.68, -52.49, 52.16
CIELCh	92, 74.000, 135.183
Yxy	79.9949, 0.3207, 0.4836
Android (android.graphics.Color)	4288413566 (0xFF9BFF7E)
YUV	210.3940, -41.6062, -48.5805
Hunter-Lab	89.4399, -50.6580, 41.1408

Details

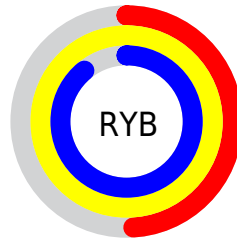
The XYZ color **53.0435, 79.9949, 32.3835** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **56.8762, 38.3118, 99.0049**, and the grayscale version is **61.7911, 65.0091, 70.7949**.

A 20% lighter version of the original color is **71.8320, 89.1523, 57.1382**, and **26.3264, 43.4106, 13.2949** is the 20% darker color. If you saturate the color by 10%, you get **48.1139, 77.6201, 24.6311**, and if you desaturate by 10%, it is **59.0142, 82.8580, 42.3758**.

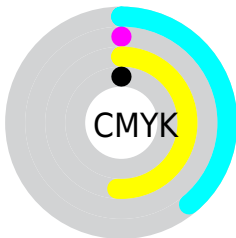
Distribution



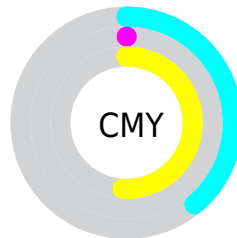
- Red (61%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (89%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0435, 79.9949, 32.3835 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 53.0435, 79.9949, 32.3835 by changing the saturation by 10% instead.


 53.0435, 79.9949,
32.3835


 53.0435, 79.9949,
32.3835


388.7101,
494.9156, 327.4089


 38.0651, 59.7142,
21.3873


 93.8335, 133.3586,
64.5167

 26.2107, 43.1883,
13.2134


 120.3759,
167.2103, 86.4908

 17.1148, 30.0329,
7.4432


 151.5036,
206.3544, 112.9613

 10.4122, 19.8635,
3.6582

187.5820,
251.1754, 144.3468

 5.7375, 12.2959,
1.4398

228.9766,
302.0576, 181.0658

 2.7252, 6.9455,
0.1724

276.0525,

 1.0102, 3.4281,

359.3855, 223.5367

0.0000

329.1752,
423.5434, 272.1783

0.0000, 1.3591,
0.0000

0.0000, 0.1863,
0.0000

53.0435, 79.9949,
32.3835

53.0435, 79.9949,
32.3835

48.1139, 77.6201,
24.6311

59.0142, 82.8580,
42.3758

44.1617, 75.7045,
18.9421

66.0822, 86.2349,
54.7589

41.1172, 74.2164,
15.1199

74.3008, 90.1501,
69.6748

38.8998, 73.1196,
12.9276

83.7194, 94.6263,
87.2535

■ 37.4658, 72.3993,
11.9998

94.3844, 99.6846,
107.6160

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.



66.9005, 79.9949, 20.2933



53.0435, 79.9949, 32.3835



46.0162, 79.9949, 63.0890

Triad

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



53.0435, 79.9949, 32.3835



67.1068, 79.9949, 231.5679



116.8067, 79.9949, 62.5720

Complementary

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



53.0435, 79.9949, 32.3835



56.8762, 38.3118, 99.0049

Split Complementary

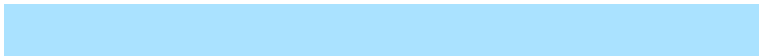
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.8868, 79.9949, 116.5424



53.0435, 79.9949, 32.3835



85.9604, 79.9949, 231.2375

Square

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



53.0435, 79.9949, 32.3835



53.1728, 79.9949, 183.8381



104.8570, 79.9949, 183.0650



104.6536, 79.9949, 32.1408

Rectangle

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



53.0435, 79.9949, 32.3835



45.2616, 79.9949, 96.8523



104.8570, 79.9949, 183.0650



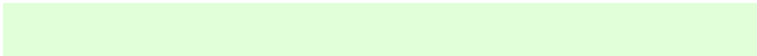
118.3052, 79.9949, 78.0269

Sweetspot

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



53.0438, 79.9951, 32.3847



79.4119, 92.5803, 79.1596



71.9045, 76.5633, 30.7282



16.5751, 19.6153, 16.1562



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

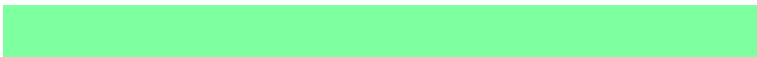
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.0438, 79.9951, 32.3847



47.9317, 77.5321, 24.3564



50.7451, 78.5081, 45.9217



18.1534, 20.3650, 19.1184



19.6813, 37.8841, 6.2751



2.0056, 3.7347, 0.6152

Inverse Universe

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



56.8762, 38.3118, 99.0049



52.0800, 31.4501, 97.9333



61.6993, 41.3818, 72.8637



18.3698, 18.0824, 22.7720



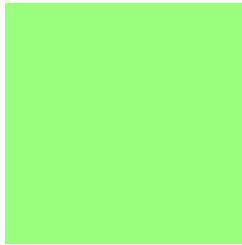
21.6911, 10.0926, 50.2394



2.2053, 1.0308, 4.8960

Previews

White Background



This preview shows how the XYZ color 53.0435, 79.9949, 32.3835 looks on a white background.

Color Contrast Check

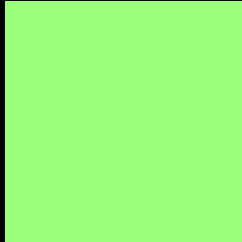
Large Text (above 18pt) WCAG AA × Fail

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 53.0435, 79.9949, 32.3835 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

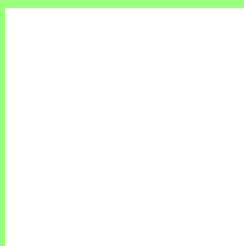
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.0435, 79.9949, 32.3835

Background



This preview shows how black text looks on a background with the XYZ color 53.0435, 79.9949, 32.3835.



This preview shows how white text looks on a background with the XYZ color 53.0435, 79.9949,

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

53.0435, 79.9949, 32.3835

Protanopia

72.4399, 78.9725, 28.5648

Deuteranopia

77.6796, 78.9162, 61.0074



Tritanopia

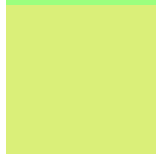
69.6555, 79.6444, 106.3094

Trichromacy



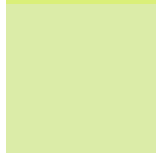
Original Color

53.0435, 79.9949, 32.3835



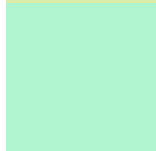
Protanomaly

63.2311, 78.0189, 29.8157



Deuteranomaly

66.2768, 77.8781, 48.5846



Tritanomaly

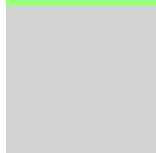
61.9421, 79.0890, 71.6755

Monochromacy



Original Color

53.0435, 79.9949, 32.3835



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.5682, 68.5945, 52.9064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0435, 79.9949, 32.3835 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 126) }
```

Border

The CSS property to change the border of an element to XYZ 53.0435, 79.9949, 32.3835 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, 126) }
```


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

```
.border{ border-color:rgb(155, 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(155, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0435, 79.9949, 32.3835 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, 126) }
```

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

```
.background{ background-color: rgb(155,  
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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