

Converting Colors

XYZ(61.7928, 99.9545, 36.9560)

Have a look what the booklet for
XYZ(61.7928, 99.9545, 36.9560)
contains.

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Color

**XYZ(51.3995, 79.1247,
33.3324)**

Conversions

Conversions Part 1

Format	Color
Hex	91FF81
RGB	145, 255, 129
RGB Percent	57%, 100%, 51%
CMY	0.4314, 0.0000, 0.4941
CMYK	0.43, 0.00, 0.49, 0.00
HSL	112°, 100%, 75%
HSV	112°, 49%, 100%
XYZ	51.3995, 79.1247, 33.3324
YIQ	207.7460, -25.1140, -62.5060

Conversions

Conversions Part 2

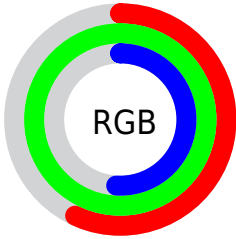
Format	Color
RYB	129, 255, 239
Decimal	9568129
CIELab	91.29, -55.10, 50.19
CIELCh	91, 74.534, 137.670
Yxy	79.1247, 0.3137, 0.4829
Android (android.graphics.Color)	4287758209 (0xFF91FF81)
YUV	207.7460, -38.8218, -55.0282
Hunter-Lab	88.9521, -52.5228, 40.0491

Details

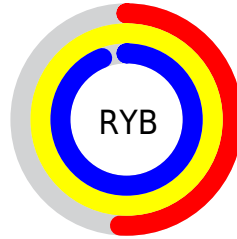
The XYZ color **51.3995, 79.1247, 33.3324** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.4982, 41.2726, 99.3328**, and the grayscale version is **60.0446, 63.1716, 68.7939**.

A 20% lighter version of the original color is **69.3136, 87.8181, 58.6448**, and **25.1085, 42.4327, 13.7045** is the 20% darker color. If you saturate the color by 10%, you get **46.3645, 76.7011, 25.3260**, and if you desaturate by 10%, it is **57.6268, 82.1141, 43.6045**.

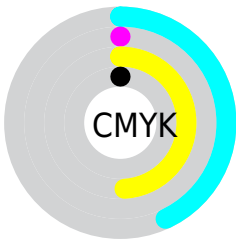
Distribution



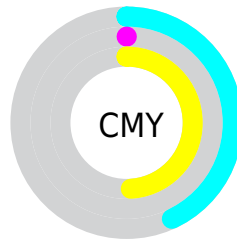
- Red (57%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (94%)



- Cyan (43%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3995, 79.1247, 33.3324 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 51.3995, 79.1247, 33.3324 by changing the saturation by 10% instead.


 51.3995, 79.1247,
33.3324

 51.3995, 79.1247,
33.3324


382.4761,
491.9781, 331.8227


 36.7490, 58.9983,
22.1080


 91.4245, 132.1344,
66.0161

 25.1860, 42.6118,
13.7372


 117.5297,
165.7865, 88.3125

 16.3451, 29.5806,
7.8015


 148.1838,
204.7160, 115.1367

 9.8611, 19.5205,
3.8822

183.7523,
249.3073, 146.9071

 5.3685, 12.0470,
1.5610

224.6004,
299.9448, 184.0424

 2.5020, 6.7757,
0.2627

271.0935,

 0.8963, 3.3222,

357.0128, 226.9611

0.0000

323.5969,
420.8958, 276.0817

■ 0.0000, 1.3022,
0.0000

■ 0.0000, 0.1429,
0.0000

■ 51.3995, 79.1247,
33.3324

■ 51.3995, 79.1247,
33.3324

■ 46.3645, 76.7011,
25.3260

■ 57.6268, 82.1141,
43.6045

■ 42.4436, 74.8067,
19.4105

■ 65.1154, 85.7016,
56.2919

■ 39.5507, 73.4012,
15.3919

■ 73.9306, 89.9177,
71.5360

■ 37.5860, 72.4385,
13.0382

■ 84.1324, 94.7906,
89.4660

■ 36.4177, 71.8581, 95.0500, 100.0000,
11.9938 108.9000

■ 36.3674, 71.8331,
11.9484

Harmonies

Analogous

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



64.6997, 79.1247, 20.1464



51.3995, 79.1247, 33.3324



44.9817, 79.1247, 65.7734

Triad

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



51.3995, 79.1247, 33.3324



67.7048, 79.1247, 233.1916



115.4455, 79.1247, 58.2521

Complementary

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



51.3995, 79.1247, 33.3324



61.4982, 41.2726, 99.3328

Split Complementary

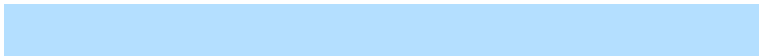
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.6161, 79.1247, 110.3602



51.3995, 79.1247, 33.3324



86.7915, 79.1247, 228.3488

Square

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



51.3995, 79.1247, 33.3324



53.2805, 79.1247, 188.3504



105.4177, 79.1247, 177.0297



102.4459, 79.1247, 29.8211

Rectangle

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



51.3995, 79.1247, 33.3324



44.6182, 79.1247, 100.8129



105.4177, 79.1247, 177.0297



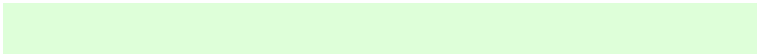
117.3054, 79.1247, 72.9886

Sweetspot

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



51.3999, 79.1249, 33.3336



78.2557, 91.9843, 79.1055



75.8356, 84.1109, 33.0081



16.3002, 19.4735, 16.1433



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

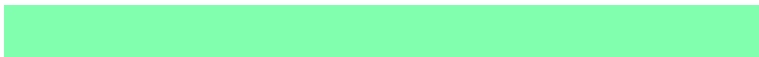
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.3999, 79.1249, 33.3336



46.5487, 76.7899, 25.6122



52.5715, 79.2905, 53.1954



17.9858, 20.2786, 19.1105



19.0688, 37.5684, 6.2464



1.9206, 3.6909, 0.6112

Inverse Universe

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



61.4982, 41.2726, 99.3328



57.6140, 35.0471, 98.3359



60.5747, 41.5550, 65.0209



18.5524, 18.1765, 22.7805



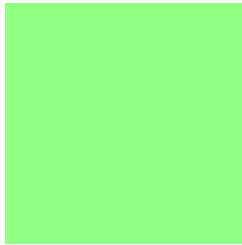
25.3610, 11.9846, 50.4112



2.5300, 1.1982, 4.9112

Previews

White Background



This preview shows how the XYZ color 51.3995, 79.1247, 33.3324 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 51.3995, 79.1247, 33.3324 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 51.3995, 79.1247, 33.3324

Background



This preview shows how black text looks on a background with the XYZ color 51.3995, 79.1247, 33.3324.

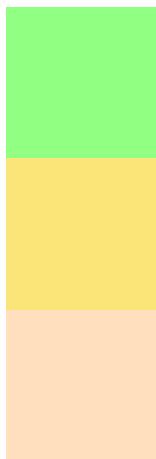


This preview shows how white text looks on a background with the XYZ color 51.3995, 79.1247,

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

51.3995, 79.1247, 33.3324

Protanopia

71.5544, 78.0901, 29.0709

Deuteranopia

76.8130, 77.7095, 59.0951



Tritanopia

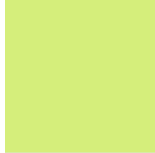
67.9726, 78.7768, 106.2306

Trichromacy



Original Color

51.3995, 79.1247, 33.3324



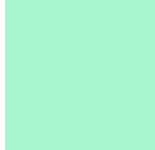
Protanomaly

61.5903, 76.7253, 30.3022



Deuteranomaly

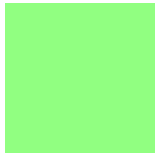
64.7077, 76.6538, 47.9444



Tritanomaly

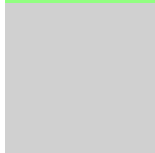
60.3095, 78.2331, 72.2435

Monochromacy



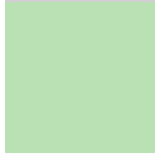
Original Color

51.3995, 79.1247, 33.3324



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.0695, 67.4194, 52.7586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3995, 79.1247, 33.3324 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(145, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 129)  
}
```

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(145, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 129) }
```

Border

The CSS property to change the border of an element to XYZ 51.3995, 79.1247, 33.3324 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(145, 255, 129) }
```


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

```
.border{ border-color:rgb(145, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3995, 79.1247, 33.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 129) }
```

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

```
.background{ background-color: rgb(145,  
255, 129) }
```

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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