

Converting Colors

XYZ(51.5535, 78.9071, 25.4509)

Have a look what the booklet for
XYZ(51.5535, 78.9071, 25.4509)
contains.

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Color

**XYZ(51.6003, 78.9308,
25.3475)**

Conversions

Conversions Part 1

Format	Color
Hex	9CFE67
RGB	156, 254, 103
RGB Percent	61%, 100%, 40%
CMY	0.3882, 0.0039, 0.5961
CMYK	0.39, 0.00, 0.59, 0.00
HSL	99°, 99%, 70%
HSV	99°, 59%, 100%
XYZ	51.6003, 78.9308, 25.3475
YIQ	207.4840, -9.9370, -67.7370

Conversions

Conversions Part 2

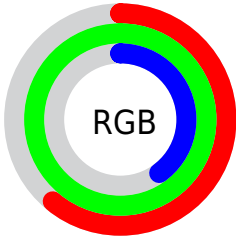
Format	Color
RYB	103, 254, 201
Decimal	10288743
CIELab	91.20, -54.19, 61.80
CIELCh	91, 82.196, 131.248
Yxy	78.9308, 0.3310, 0.5064
Android (android.graphics.Color)	4288478823 (0xFF9CFE67)
YUV	207.4840, -51.5106, -45.1515
Hunter-Lab	88.8430, -51.8019, 45.2743

Details

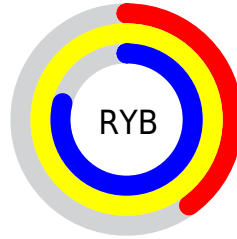
The XYZ color **51.6003, 78.9308, 25.3475** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **46.8308, 29.2763, 96.9529**, and the grayscale version is **59.9493, 63.0713, 68.6847**.

A 20% lighter version of the original color is **70.0423, 88.4703, 46.1857**, and **25.3892, 42.6711, 9.4830** is the 20% darker color. If you saturate the color by 10%, you get **47.5380, 76.9646, 19.4836**, and if you desaturate by 10%, it is **56.4866, 81.2818, 33.2739**.

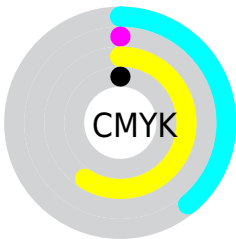
Distribution



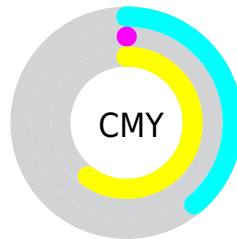
- Red (61%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6003, 78.9308, 25.3475 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 51.6003, 78.9308, 25.3475 by changing the saturation by 10% instead.


 51.6003, 78.9308,
25.3475

 51.6003, 78.9308,
25.3475


383.2409,
491.3222, 293.0670

 36.9096, 58.8389,
16.1148


 91.7192, 131.8614,
53.1915


 25.3108, 42.4835,
9.4502


 117.8781,
165.4690, 72.6399

 16.4387, 29.4800,
4.9352


 148.5904,
204.3505, 96.3305

 9.9280, 19.4443,
2.1512

 184.2215,
248.8905, 124.6820

 5.4131, 11.9917,
0.6460

225.1368,
299.4732, 158.1128

 2.5289, 6.7380,
0.0000

271.7015,

 0.9098, 3.2988,

356.4832, 197.0416

0.0000

324.2811,
420.3047, 241.8868

0.0000, 1.2897,
0.0000

0.0000, 0.1332,
0.0000

51.6003, 78.9308,
25.3475

51.6003, 78.9308,
25.3475

47.5380, 76.9646,
19.4836

56.4866, 81.2818,
33.2739

44.2403, 75.3497,
15.4851


62.2393, 84.0287,
43.4258


41.6476, 74.0626,
13.1255

68.9043, 87.1942,
55.9557

39.6731, 73.0665,
12.0525

76.5224, 90.7964,
71.0012

 39.5774, 73.0180,
12.0079

 85.1316, 94.8520,
88.6894

94.7023, 99.3508,
108.7930

94.7334, 99.3669,
108.7945

Harmonies

Analogous

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



67.4800, 78.9308, 15.4054



51.6003, 78.9308, 25.3475



43.1387, 78.9308, 54.1019

Triad

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



51.6003, 78.9308, 25.3475



62.8734, 78.9308, 246.6488



121.5359, 78.9308, 65.4613

Complementary

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



51.6003, 78.9308, 25.3475



46.8308, 29.2763, 96.9529

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.



119.6750, 78.9308, 128.3210



51.6003, 78.9308, 25.3475



83.1046, 78.9308, 254.5751

Square

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



51.6003, 78.9308, 25.3475



48.7671, 78.9308, 185.8688



104.6339, 78.9308, 204.1834



109.3270, 78.9308, 30.3453

Rectangle

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



51.6003, 78.9308, 25.3475



41.6923, 78.9308, 88.4641



104.6339, 78.9308, 204.1834



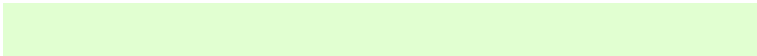
122.5865, 78.9308, 83.4687

Sweetspot

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



51.6022, 78.9342, 25.3492



78.3976, 92.1696, 74.0451



63.6636, 62.7317, 21.5861



16.2708, 19.4876, 14.8214



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.



51.6022, 78.9342, 25.3492



47.3917, 77.3738, 18.9066



44.6213, 75.2042, 30.9483



18.3729, 20.4781, 19.1287



21.0085, 38.5683, 6.3372



2.1585, 3.8135, 0.6223

Inverse Universe

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



46.8308, 29.2763, 96.9529



42.0967, 23.2467, 96.8761



60.5585, 36.7063, 81.6386



18.1377, 17.9627, 22.7611



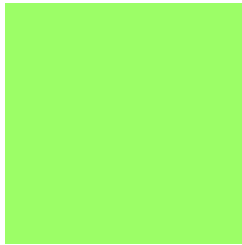
17.7622, 8.0672, 50.0555



1.8478, 0.8465, 4.8793

Previews

White Background



This preview shows how the XYZ color 51.6003, 78.9308, 25.3475 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 51.6003, 78.9308, 25.3475 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

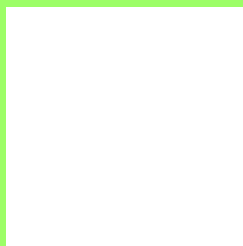
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6003, 78.9308, 25.3475

Background



This preview shows how black text looks on a background with the XYZ color 51.6003, 78.9308, 25.3475.



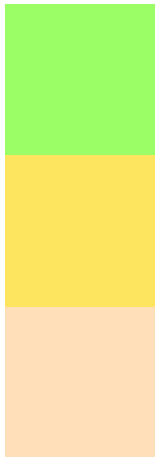
This preview shows how white text looks on a background with the XYZ color 51.6003, 78.9308,

25.3475.

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

51.6003, 78.9308, 25.3475

Protanopia

70.9579, 77.9357, 22.1297

Deuteranopia

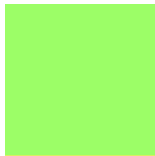
76.3846, 77.5381, 56.8394



Tritanopia

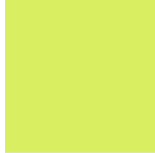
68.5839, 78.2275, 106.0924

Trichromacy



Original Color

51.6003, 78.9308, 25.3475



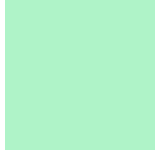
Protanomaly

61.6926, 76.9363, 23.1539



Deuteranomaly

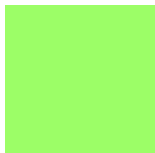
64.5526, 76.2723, 42.3301



Tritanomaly

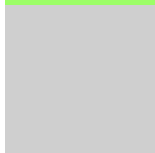
60.1551, 77.3853, 66.4099

Monochromacy



Original Color

51.6003, 78.9308, 25.3475



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.5561, 66.8672, 47.5674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6003, 78.9308, 25.3475 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, 254, 103)` looks like.

```
.text, #text, p{  
    color:rgb(156, 254, 103)  
}
```

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, 254, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 254, 103) }
```

Border

The CSS property to change the border of an element to XYZ 51.6003, 78.9308, 25.3475 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, 254, 103) }
```


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

```
.border{ border-color:rgb(156, 254, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 254, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 254, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 254, 103);  
box-shadow:4px 4px 4px 4px rgb(156, 254,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6003, 78.9308, 25.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 254, 103) }
```

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

```
.background{ background-color: rgb(156,  
254, 103) }
```

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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