

Converting Colors

XYZ(51.3900, 79.3005, 25.1684)

Have a look what the booklet for
XYZ(51.3900, 79.3005, 25.1684)
contains.

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Color

**XYZ(51.4847, 79.3493,
25.1728)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFF66
RGB	154, 255, 102
RGB Percent	60%, 100%, 40%
CMY	0.3961, 0.0000, 0.6000
CMYK	0.40, 0.00, 0.60, 0.00
HSL	100°, 100%, 70%
HSV	100°, 60%, 100%
XYZ	51.4847, 79.3493, 25.1728
YIQ	207.3590, -11.0830, -68.9950

Conversions

Conversions Part 2

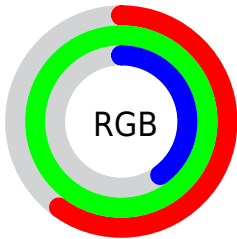
Format	Color
RYB	102, 255, 203
Decimal	10157926
CIELab	91.39, -55.31, 62.41
CIELCh	91, 83.394, 131.551
Yxy	79.3493, 0.3300, 0.5086
Android (android.graphics.Color)	4288348006 (0xFF9AFF66)
YUV	207.3590, -51.9420, -46.7958
Hunter-Lab	89.0782, -52.7189, 45.5999

Details

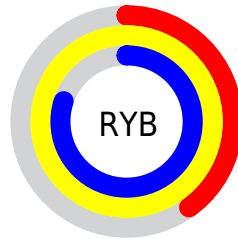
The XYZ color **51.4847, 79.3493, 25.1728** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **47.4316, 29.4208, 97.7866**, and the grayscale version is **59.8696, 62.9875, 68.5934**.

A 20% lighter version of the original color is **69.3721, 88.1348, 45.7032**, and **25.1592, 42.5549, 9.3705** is the 20% darker color. If you saturate the color by 10%, you get **47.4260, 77.3813, 19.3663**, and if you desaturate by 10%, it is **56.3822, 81.7048, 33.0505**.

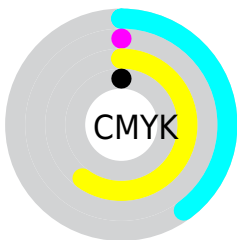
Distribution



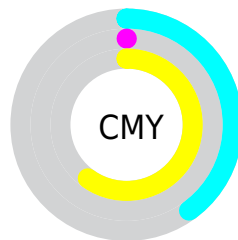
- Red (60%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4847, 79.3493, 25.1728 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 51.4847, 79.3493, 25.1728 by changing the saturation by 10% instead.


 51.4847, 79.3493,
25.1728

 51.4847, 79.3493,
25.1728


382.8007,
492.7372, 292.1726

 36.8171, 59.1830,
15.9857


 91.5496, 132.4505,
52.9050


 25.2389, 42.7605,
9.3598


 117.6776,
166.1542, 72.2872

 16.3848, 29.6972,
4.8766


 148.3564,
205.1392, 95.9047

 9.8895, 19.6089,
2.1176

 183.9514,
249.7899, 124.1762

 5.3874, 12.1111,
0.6262

224.8280,
300.4906, 157.5202

 2.5134, 6.8194,
0.0000

271.3516,

 0.9020, 3.3494,

357.6258, 196.3552

0.0000

323.8873,
421.5799, 241.0999

0.0000, 1.3167,
0.0000

0.0000, 0.1541,
0.0000

51.4847, 79.3493,
25.1728

51.4847, 79.3493,
25.1728

47.4260, 77.3813,
19.3663

56.3822, 81.7048,
33.0505

44.1496, 75.7760,
15.4318

62.1674, 84.4693,
43.1666

41.5919, 74.5055,
13.1374

68.8862, 87.6630,
55.6756

39.6593, 73.5302,
12.1026

76.5807, 91.3047,
70.7170

■ 39.6590, 73.5300,
12.1025

■ 85.2902, 95.4118,
88.4197

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.



67.5481, 79.3493, 15.0700



51.4847, 79.3493, 25.1728



42.9841, 79.3493, 54.4699

Triad

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



51.4847, 79.3493, 25.1728



63.2410, 79.3493, 251.1859



122.8189, 79.3493, 65.0675

Complementary

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



51.4847, 79.3493, 25.1728



47.4316, 29.4208, 97.7866

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.



121.0701, 79.3493, 128.8572



51.4847, 79.3493, 25.1728



83.8790, 79.3493, 258.6647

Square

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



51.4847, 79.3493, 25.1728



48.8424, 79.3493, 189.2628



105.8150, 79.3493, 206.5157



110.2213, 79.3493, 29.7954

Rectangle

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



51.4847, 79.3493, 25.1728



41.5701, 79.3493, 89.5957



105.8150, 79.3493, 206.5157



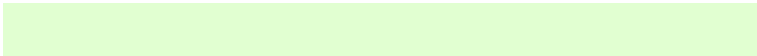
123.9443, 79.3493, 83.2771

Sweetspot

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



51.4850, 79.3494, 25.1740



78.2386, 92.0876, 74.0376



64.6306, 64.2036, 21.5577



16.2324, 19.4678, 14.8196



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.



51.4850, 79.3494, 25.1740



46.7093, 77.0317, 18.4355



44.9387, 75.8245, 31.6537



18.3534, 20.4681, 19.1277



20.8651, 38.4944, 6.3305



2.1429, 3.8055, 0.6216

Inverse Universe

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



47.4316, 29.4208, 97.7866



42.2201, 23.0629, 96.8341



60.5645, 36.5927, 80.2527



18.1580, 17.9732, 22.7621



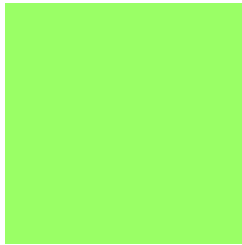
18.0731, 8.2275, 50.0701



1.8766, 0.8613, 4.8806

Previews

White Background



This preview shows how the XYZ color 51.4847, 79.3493, 25.1728 looks on a white background.

Color Contrast Check

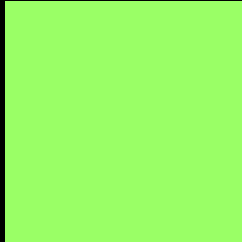
Large Text (above 18pt) WCAG AA × Fail

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 51.4847, 79.3493, 25.1728 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

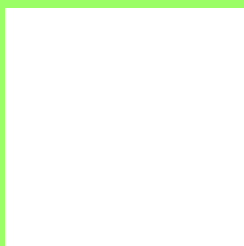
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4847, 79.3493, 25.1728

Background



This preview shows how black text looks on a background with the XYZ color 51.4847, 79.3493, 25.1728.



This preview shows how white text looks on a background with the XYZ color 51.4847, 79.3493,

25.1728.

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

51.4847, 79.3493, 25.1728

Protanopia

71.2797, 78.1068, 21.9089

Deuteranopia

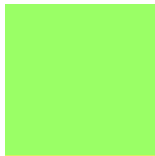
76.8653, 78.1592, 58.0487



Tritanopia

68.8742, 78.8082, 106.1892

Trichromacy



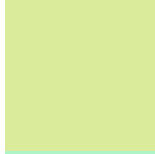
Original Color

51.4847, 79.3493, 25.1728



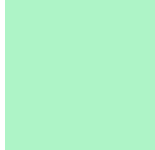
Protanomaly

61.6456, 76.9176, 22.9068



Deuteranomaly

64.6225, 76.7224, 42.8554



Tritanomaly

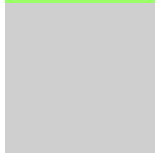
60.1150, 77.8236, 65.8859

Monochromacy



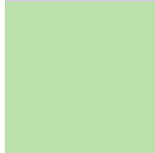
Original Color

51.4847, 79.3493, 25.1728



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 51.4847, 79.3493, 25.1728 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(154, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 102)  
}
```

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(154, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 51.4847, 79.3493, 25.1728 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(154, 255, 102) }
```


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

```
.border{ border-color:rgb(154, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4847, 79.3493, 25.1728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 102) }
```

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

```
.background{ background-color: rgb(154,  
255, 102) }
```

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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