

Converting Colors

XYZ(51.1490, 79.1932, 24.3944)

Have a look what the booklet for
XYZ(51.1490, 79.1932, 24.3944)
contains.

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Color

**XYZ(51.1490, 79.1932,
24.3944)**

Conversions

Conversions Part 1

Format	Color
Hex	99FF63
RGB	153, 255, 99
RGB Percent	60%, 100%, 39%
CMY	0.4000, 0.0000, 0.6117
CMYK	0.40, 0.00, 0.61, 0.00
HSL	99°, 100%, 69%
HSV	99°, 61%, 100%
XYZ	51.1490, 79.1932, 24.3944
YIQ	206.7180, -10.7160, -70.1400

Conversions

Conversions Part 2

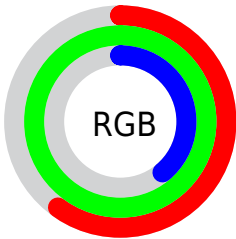
Format	Color
RYB	99, 255, 201
Decimal	10092387
CIELab	91.32, -55.90, 63.57
CIELCh	91, 84.647, 131.327
Yxy	79.1932, 0.3306, 0.5118
Android (android.graphics.Color)	4288282467 (0xFF99FF63)
YUV	206.7180, -53.1050, -47.1107
Hunter-Lab	88.9906, -53.1372, 46.0406

Details

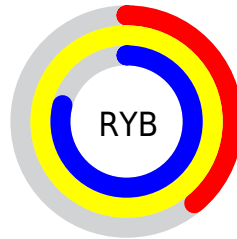
The XYZ color **51.1490, 79.1932, 24.3944** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **46.6010, 28.5628, 97.6648**, and the grayscale version is **59.4624, 62.5591, 68.1269**.

A 20% lighter version of the original color is **68.8278, 87.8836, 44.3460**, and **24.9653, 42.4654, 8.8883** is the 20% darker color. If you saturate the color by 10%, you get **47.1858, 77.2694, 18.8190**, and if you desaturate by 10%, it is **55.9372, 81.4977, 32.0190**.

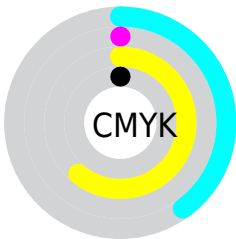
Distribution



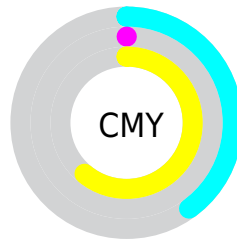
- Red (60%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (79%)



- Cyan (40%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1490, 79.1932, 24.3944 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 51.1490, 79.1932, 24.3944 by changing the saturation by 10% instead.


 51.1490, 79.1932,
24.3944


 51.1490, 79.1932,
24.3944


381.5205,
492.2097, 288.1589

 36.5487, 59.0547,
15.4115


 91.0567, 132.2308,
51.6249


 25.0304, 42.6571,
8.9589


 117.0948,
165.8987, 70.7097

 16.2285, 29.6162,
4.6179


 147.6762,
204.8451, 93.9988

 9.7779, 19.5474,
1.9701

 183.1663,
249.4545, 121.9108

 5.3131, 12.0665,
0.5368

223.9304,
300.1113, 154.8643

 2.4687, 6.7890,
0.0000

270.3339,

 0.8795, 3.3305,

357.1998, 193.2778

0.0000

322.7422,
421.1045, 237.5698

0.0000, 1.3066,
0.0000

0.0000, 0.1463,
0.0000

51.1490, 79.1932,
24.3944

51.1490, 79.1932,
24.3944

47.1858, 77.2694,
18.8190

55.9372, 81.4977,
32.0190

43.9912, 75.7017,
15.0901


61.5995, 84.2048,
41.8627


41.5008, 74.4622,
12.9702

68.1818, 87.3344,
54.0816

39.8095, 73.6076,
12.1095

75.7259, 90.9053,
68.8166

 84.2712, 94.9347,
86.1979

 93.8546, 99.4390,
106.3465

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.



67.4432, 79.1932, 14.4599



51.1490, 79.1932, 24.3944



42.5194, 79.1932, 53.6186

Triad

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



51.1490, 79.1932, 24.3944



62.8014, 79.1932, 253.9413



123.4901, 79.1932, 65.0109

Complementary

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



51.1490, 79.1932, 24.3944



46.6010, 28.5628, 97.6648

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.



121.5939, 79.1932, 129.9355



51.1490, 79.1932, 24.3944



83.6817, 79.1932, 262.0892

Square

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



51.1490, 79.1932, 24.3944



48.3099, 79.1932, 190.3571



105.9868, 79.1932, 209.1179



110.7593, 79.1932, 29.3123

Rectangle

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



51.1490, 79.1932, 24.3944



41.0578, 79.1932, 88.9979



105.9868, 79.1932, 209.1179



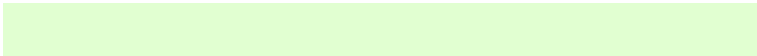
124.5975, 79.1932, 83.5161

Sweetspot

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



51.1492, 79.1932, 24.3956



78.3284, 92.1339, 74.0418



64.2398, 63.6558, 20.7066



16.2541, 19.4790, 14.8206



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.



51.1492, 79.1932, 24.3956



46.5471, 76.9574, 18.0068



44.4441, 75.5881, 30.7914



18.3644, 20.4738, 19.1283



20.9455, 38.5359, 6.3342



2.1517, 3.8100, 0.6220

Inverse Universe

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



46.6010, 28.5628, 97.6648



41.5461, 22.4782, 96.7567



60.2111, 35.9881, 79.8198



18.1465, 17.9673, 22.7616



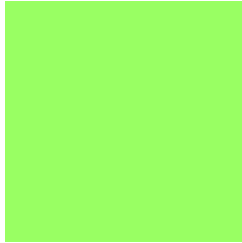
17.8966, 8.1365, 50.0618



1.8603, 0.8529, 4.8799

Previews

White Background



This preview shows how the XYZ color 51.1490, 79.1932, 24.3944 looks on a white background.

Color Contrast Check

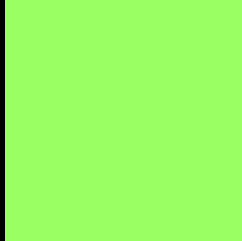
Large Text (above 18pt) WCAG AA × Fail

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 51.1490, 79.1932, 24.3944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

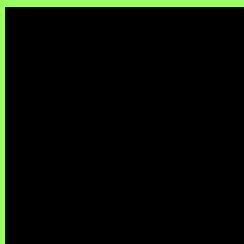
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

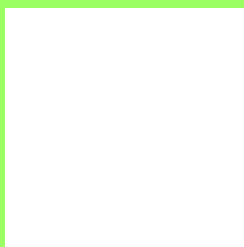
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1490, 79.1932, 24.3944

Background



This preview shows how black text looks on a background with the XYZ color 51.1490, 79.1932, 24.3944.

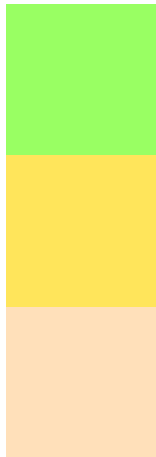


This preview shows how white text looks on a background with the XYZ color 51.1490, 79.1932,

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

51.1490, 79.1932, 24.3944

Protanopia

71.1476, 78.0540, 21.2136

Deuteranopia

76.7586, 78.1165, 57.4867



Tritanopia

68.6321, 78.6834, 106.1779

Trichromacy



Original Color

51.1490, 79.1932, 24.3944



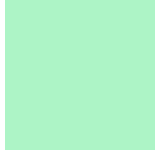
Protanomaly

61.5084, 76.8626, 22.1838



Deuteranomaly

64.4545, 76.6552, 41.9707



Tritanomaly

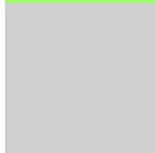
59.7773, 77.6628, 65.2659

Monochromacy



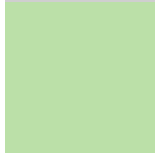
Original Color

51.1490, 79.1932, 24.3944



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.2171, 66.7033, 47.0633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1490, 79.1932, 24.3944 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(153, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 99)  
}
```

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(153, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 99) }
```

Border

The CSS property to change the border of an element to XYZ 51.1490, 79.1932, 24.3944 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(153, 255, 99) }
```


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

```
.border{ border-color:rgb(153, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1490, 79.1932, 24.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 99) }
```

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

```
.background{ background-color: rgb(153,  
255, 99) }
```

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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