

# Converting Colors

XYZ(57.5497, 91.9713, 26.9994)

Have a look what the booklet for  
XYZ(57.5497, 91.9713, 26.9994)  
contains.

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# Color

**XYZ(51.2458, 79.2319,  
24.9043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FF65
RGB	153, 255, 101
RGB Percent	60%, 100%, 40%
CMY	0.4000, 0.0000, 0.6039
CMYK	0.40, 0.00, 0.60, 0.00
HSL	100°, 100%, 70%
HSV	100°, 60%, 100%
XYZ	51.2458, 79.2319, 24.9043
YIQ	206.9460, -11.3580, -69.5180

# Conversions

## Conversions Part 2

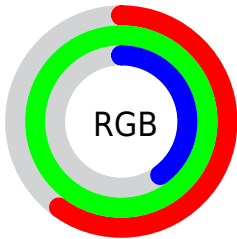
Format	Color
<a href="#">RYB</a>	<a href="#">101, 255, 203</a>
Decimal	<a href="#">10092389</a>
CIELab	<a href="#">91.34, -55.72, 62.76</a>
CIELCh	<a href="#">91, 83.920, 131.600</a>
Yxy	<a href="#">79.2319, 0.3298, 0.5099</a>
Android (android.graphics.Color)	<a href="#">4288282469 (0xFF99FF65)</a>
YUV	<a href="#">206.9460, -52.2314, -47.3106</a>
Hunter-Lab	<a href="#">89.0123, -53.0062, 45.7202</a>

# Details

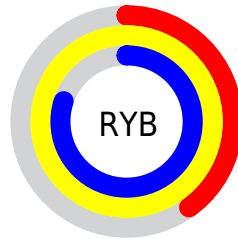
The XYZ color **51.2458, 79.2319, 24.9043** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **47.3341, 29.2255, 97.7540**, and the grayscale version is **59.6044, 62.7085, 68.2895**.

A 20% lighter version of the original color is **68.9972, 87.9514, 45.2381**, and **25.0184, 42.4866, 9.1676** is the 20% darker color. If you saturate the color by 10%, you get **47.2185, 77.2784, 19.1751**, and if you desaturate by 10%, it is **56.1123, 81.5732, 32.6976**.

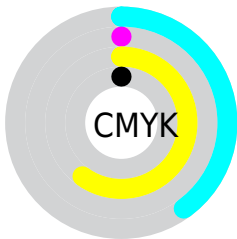
# Distribution



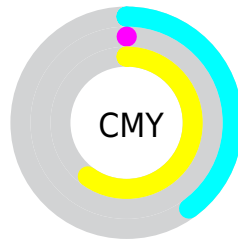
- Red (60%)
- Green (100%)
- Blue (40%)



- 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 51.2458, 79.2319, 24.9043 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 51.2458, 79.2319, 24.9043 by changing the saturation by 10% instead.





 51.2458, 79.2319,  
24.9043


 51.2458, 79.2319,  
24.9043


381.8900,  
492.3405, 290.7934

 36.6261, 59.0865,  
15.7874


 91.1988, 132.2853,  
52.4641


 25.0905, 42.6828,  
9.2211


 117.2629,  
165.9620, 71.7441

 16.2736, 29.6363,  
4.7869


 147.8724,  
204.9180, 95.2489

 9.8100, 19.5627,  
2.0662

 183.3928,  
249.5377, 123.3970

 5.3345, 12.0776,  
0.5956

224.1894,  
300.2054, 156.6070

 2.4816, 6.7965,  
0.0000


270.6276,


 0.8860, 3.3352,


357.3055, 195.2973


0.0000


323.0726,  
421.2224, 239.8866


 0.0000, 1.3091,  
0.0000


 0.0000, 0.1482,  
0.0000


 51.2458, 79.2319,  
24.9043


 51.2458, 79.2319,  
24.9043


 47.2185, 77.2784,  
19.1751


 56.1123, 81.5732,  
32.6976


 43.9737, 75.6878,  
15.3097


 61.8676, 84.3242,  
42.7232

 41.4471, 74.4321,  
13.0743

 68.5578, 87.5053,  
55.1361

 39.6068, 73.5031,  
12.1000

 76.2252, 91.1353,  
70.0762

 84.9095, 95.2317,  
87.6730

94.6480, 99.8112,  
108.0469

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.



67.3647, 79.2319, 14.8124



51.2458, 79.2319, 24.9043



42.7324, 79.2319, 54.2745

# Triad

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



51.2458, 79.2319, 24.9043



63.0989, 79.2319, 252.4167



123.0039, 79.2319, 64.7585

# Complementary

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



51.2458, 79.2319, 24.9043



47.3341, 29.2255, 97.7540

# 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.



121.2672, 79.2319, 128.8706



51.2458, 79.2319, 24.9043



83.8514, 79.2319, 259.8597

# Square

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



51.2458, 79.2319, 24.9043



48.6323, 79.2319, 189.9996



105.9219, 79.2319, 207.1552



110.2958, 79.2319, 29.4563



# Rectangle

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



51.2458, 79.2319, 24.9043



41.3231, 79.2319, 89.5879



105.9219, 79.2319, 207.1552



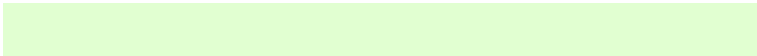
124.1460, 79.2319, 83.0352

# Sweetspot

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



51.2460, 79.2320, 24.9055



78.2071, 92.0714, 74.0361



64.4995, 64.0204, 21.2708



16.2248, 19.4639, 14.8193



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.



51.2460, 79.2320, 24.9055



46.6449, 76.9985, 18.4325



44.7720, 75.7448, 31.3638



18.3495, 20.4661, 19.1276



20.8372, 38.4801, 6.3292



2.1398, 3.8039, 0.6214



# Inverse Universe

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



47.3341, 29.2255, 97.7540



42.3234, 23.1162, 96.8389



60.4455, 36.3888, 80.1079



18.1620, 17.9753, 22.7623



18.1358, 8.2598, 50.0730

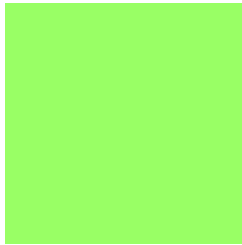


1.8824, 0.8643, 4.8809



# Previews

## White Background



This preview shows how the XYZ color 51.2458, 79.2319, 24.9043 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

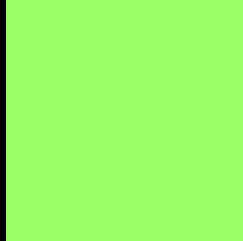
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2458, 79.2319, 24.9043 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

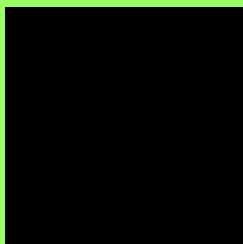
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

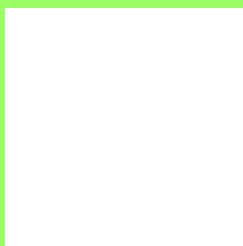
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.2458, 79.2319, 24.9043**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2458, 79.2319, 24.9043.



This preview shows how white text looks on a background with the XYZ color 51.2458, 79.2319,



# 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

51.2458, 79.2319, 24.9043

### Protanopia

71.2351, 78.0889, 21.6741

### Deuteranopia

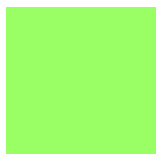
76.7586, 78.1165, 57.4867



## Tritanopia

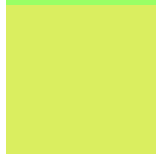
68.6321, 78.6834, 106.1779

# Trichromacy



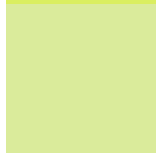
## Original Color

51.2458, 79.2319, 24.9043



## Protanomaly

61.5993, 76.8990, 22.6627



## Deuteranomaly

64.5382, 76.6886, 42.4112



## Tritanomaly

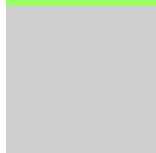
59.8931, 77.7091, 65.8755

# Monochromacy



## Original Color

51.2458, 79.2319, 24.9043



## 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 51.2458, 79.2319, 24.9043 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2458, 79.2319, 24.9043 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, 101) }
```



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

```
.border{ border-color:rgb(153, 255, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2458, 79.2319, 24.9043 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, 101) }
```

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

```
.background{ background-color: rgb(153,  
255, 101) }
```

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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