

# Converting Colors

XYZ(52.5967, 75.1641, 26.8312)

Have a look what the booklet for  
XYZ(52.5967, 75.1641, 26.8312)  
contains.

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# Color

**XYZ(52.7552, 75.3367,  
26.7999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADF56F
RGB	173, 245, 111
RGB Percent	68%, 96%, 44%
CMY	0.3216, 0.0392, 0.5647
CMYK	0.29, 0.00, 0.55, 0.04
HSL	92°, 87%, 70%
HSV	92°, 55%, 96%
XYZ	52.7552, 75.3367, 26.7999
YIQ	208.1960, 0.1020, -56.9380

# Conversions

## Conversions Part 2

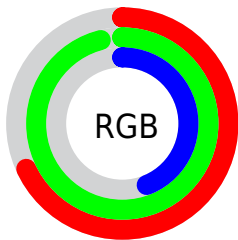
Format	Color
<a href="#">RYB</a>	<a href="#">111, 245, 183</a>
Decimal	<a href="#">11400559</a>
CIELab	<a href="#">89.55, -44.05, 56.64</a>
CIElCh	<a href="#">90, 71.756, 127.871</a>
Yxy	<a href="#">75.3367, 0.3406, 0.4864</a>
Android (android.graphics.Color)	<a href="#">4289590639</a> ( <a href="#">0xFFADF56F</a> )
YUV	<a href="#">208.1960, -47.9176, -30.8669</a>
Hunter-Lab	<a href="#">86.7967, -43.4016, 42.4509</a>

# Details

The XYZ color **52.7552, 75.3367, 26.7999** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **41.6977, 28.0310, 89.6032**, and the grayscale version is **60.3844, 63.5290, 69.1831**.

A 20% lighter version of the original color is **75.5979, 91.2621, 49.7073**, and **25.9242, 39.9749, 10.2205** is the 20% darker color. If you saturate the color by 10%, you get **48.8182, 73.4445, 20.5140**, and if you desaturate by 10%, it is **57.3526, 77.5313, 35.0505**.

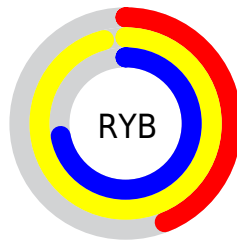
# Distribution



Red (68%)

Green (96%)

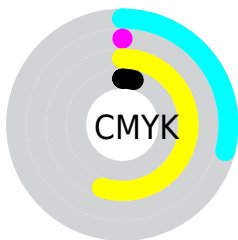
Blue (44%)



Red (44%)

Yellow (96%)

Blue (72%)

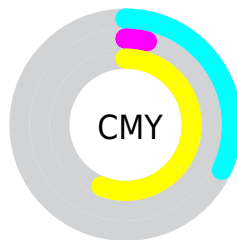


Cyan (29%)

Magenta (0%)

Yellow (55%)

Black (4%)



Cyan (32%)

Magenta (4%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7552, 75.3367, 26.7999 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 52.7552, 75.3367, 26.7999 by changing the saturation by 10% instead.





 52.7552, 75.3367,  
26.7999


 52.7552, 75.3367,  
26.7999


387.6215,  
479.0741, 300.4164

 37.8341, 55.8888,  
17.1919


 93.4117, 126.7889,  
55.5624

 26.0306, 40.1138,  
10.2080


 119.8778,  
159.5619, 75.5540

 16.9793, 27.6272,  
5.4297


 150.9229,  
197.5454, 99.8439

 10.3150, 18.0449,  
2.4384

186.9124,  
241.1238, 128.8506

 5.6721, 10.9822,  
0.8072

228.2117,  
290.6814, 162.9927

 2.6855, 6.0549,  
0.0000


275.1860,


 0.9897, 2.8785,


346.6028, 202.6886


0.0000


328.2008,  
409.2722, 248.3570


 0.0000, 1.0686,  
0.0000


 0.0000, 0.0000,  
0.0000


 52.7552, 75.3367,  
26.7999


 52.7552, 75.3367,  
26.7999


 48.8182, 73.4445,  
20.5140


 57.3526, 77.5313,  
35.0505


 45.4970, 71.8283,  
16.0242


 62.6406, 80.0336,  
45.4065


 42.7485, 70.4724,  
13.1414


 68.6534, 82.8607,  
58.0010


 40.5194, 69.3544,  
11.6320

 75.4212, 86.0257,  
72.9550

 39.5095, 68.8421,  
11.2055

 82.9725, 89.5407,  
90.3807

 90.8459, 93.2219,  
107.8133

 91.9440, 93.7880,  
107.8647

# Harmonies

## Analogous

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



67.0651, 75.3367, 18.5654



52.7552, 75.3367, 26.7999



44.5823, 75.3367, 50.6375

# Triad

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



52.7552, 75.3367, 26.7999



59.5858, 75.3367, 208.7413



110.6835, 75.3367, 69.4458

# Complementary

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



52.7552, 75.3367, 26.7999



41.6977, 28.0310, 89.6032

# 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.



107.7991, 75.3367, 124.2783



52.7552, 75.3367, 26.7999



76.3458, 75.3367, 220.5771

# Square

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



52.7552, 75.3367, 26.7999



48.0516, 75.3367, 157.1769



94.4829, 75.3367, 184.9408



101.8188, 75.3367, 35.7174



# Rectangle

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



52.7552, 75.3367, 26.7999



42.8038, 75.3367, 78.4764



94.4829, 75.3367, 184.9408



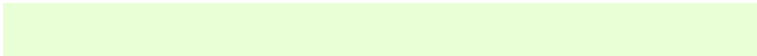
111.0794, 75.3367, 85.6869

# Sweetspot

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



52.7570, 75.3400, 26.8015



81.5523, 93.7217, 77.5442



57.3521, 54.2105, 22.4809



17.1185, 19.9029, 15.8439



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.



52.7570, 75.3400, 26.8015



52.8947, 80.1559, 21.6365



42.3317, 69.9364, 27.6300



17.0109, 18.8477, 17.5390



21.4396, 37.1653, 6.0436



2.0016, 3.3269, 0.5367



# Inverse Universe

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



41.6977, 28.0310, 89.6032



39.5963, 23.3509, 97.0280



59.1512, 37.1065, 86.9028



16.4317, 16.3652, 20.8353



14.1374, 6.2624, 47.0017

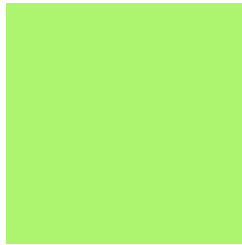


1.3611, 0.6115, 4.1365



# Previews

## White Background



This preview shows how the XYZ color 52.7552, 75.3367, 26.7999 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 52.7552, 75.3367, 26.7999 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 52.7552, 75.3367, 26.7999**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7552, 75.3367, 26.7999.



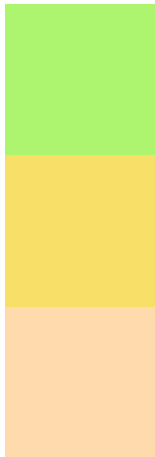
This preview shows how white text looks on a background with the XYZ color 52.7552, 75.3367,

26.7999.

# 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

52.7552, 75.3367, 26.7999

### Protanopia

67.8657, 74.2672, 23.8548

### Deuteranopia

73.8542, 74.4199, 50.0071



## Tritanopia

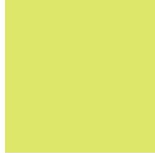
67.3880, 74.7706, 100.5030

# Trichromacy



## Original Color

52.7552, 75.3367, 26.7999



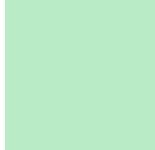
## Protanomaly

61.3292, 74.1469, 24.9893



## Deuteranomaly

64.2998, 73.6964, 39.6900



## Tritanomaly

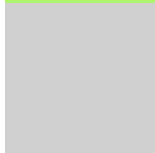
60.2668, 73.9793, 65.1359

# Monochromacy



## Original Color

52.7552, 75.3367, 26.7999



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.9050, 66.3321, 49.3920

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7552, 75.3367, 26.7999 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(173, 245, 111)` looks like.

```
.text, #text, p{  
    color:rgb(173, 245, 111)  
}
```

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(173, 245, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 245, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7552, 75.3367, 26.7999 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(173, 245, 111) }
```



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

```
.border{ border-color:rgb(173, 245, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 245, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 245, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 245, 111);  
box-shadow:4px 4px 4px 4px rgb(173, 245,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7552, 75.3367, 26.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 245, 111) }
```

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

```
.background{ background-color: rgb(173,  
245, 111) }
```

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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