

# Converting Colors

XYZ(54.6686, 76.6380, 33.2437)

Have a look what the booklet for  
XYZ(54.6686, 76.6380, 33.2437)  
contains.

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# Color

**XYZ(54.7317, 76.6642,  
33.3857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFF683
RGB	175, 246, 131
RGB Percent	69%, 96%, 51%
CMY	0.3137, 0.0353, 0.4863
CMYK	0.29, 0.00, 0.47, 0.04
HSL	97°, 86%, 74%
HSV	97°, 47%, 96%
XYZ	54.7317, 76.6642, 33.3857
YIQ	211.6610, -5.4010, -50.8170

# Conversions

## Conversions Part 2

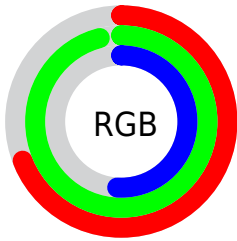
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 246, 202
Decimal	11531907
CIELab	90.17, -41.64, 48.18
CIELCh	90, 63.681, 130.833
Yxy	76.6642, 0.3321, 0.4652
Android (android.graphics.Color)	4289721987 (0xFFAFF683)
YUV	211.6610, -39.7659, -32.1517
Hunter-Lab	87.5581, -41.6481, 38.6835

# Details

The XYZ color **54.7317, 76.6642, 33.3857** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.1114, 35.4452, 91.4462**, and the grayscale version is **62.6141, 65.8749, 71.7378**.

A 20% lighter version of the original color is **78.2272, 92.3888, 60.1642**, and **27.1805, 40.8672, 13.6633** is the 20% darker color. If you saturate the color by 10%, you get **50.0394, 74.4179, 25.4724**, and if you desaturate by 10%, it is **60.2071, 79.2732, 43.4048**.

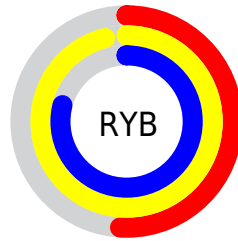
# Distribution



Red (69%)

Green (96%)

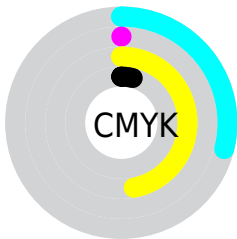
Blue (51%)



Red (51%)

Yellow (96%)

Blue (79%)

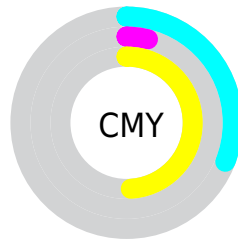


Cyan (29%)

Magenta (0%)

Yellow (47%)

Black (4%)



Cyan (31%)

Magenta (4%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7317, 76.6642, 33.3857 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 54.7317, 76.6642, 33.3857 by changing the saturation by 10% instead.





 54.7317, 76.6642,  
33.3857

 54.7317, 76.6642,  
33.3857


395.0471,  
483.6183, 332.0693


 39.4199, 56.9773,  
22.1485


 96.2984, 128.6654,  
66.1002

 27.2688, 40.9870,  
13.7667


 123.2840,  
161.7484, 88.4146

 17.9128, 28.3089,  
7.8217


 154.8916,  
200.0657, 115.2585

 10.9867, 18.5587,  
3.8949

191.4866,  
244.0015, 147.0504

 6.1251, 11.3518,  
1.5679

233.4342,  
293.9402, 184.2089

 2.9627, 6.3040,  
0.2678

281.1000,

 1.1341, 3.0308,

350.2664, 227.1525

0.0000

334.8491,  
413.3643, 276.2998

0.0533, 1.1478,  
0.0000

0.0000, 0.0185,  
0.0000

54.7317, 76.6642,  
33.3857

54.7317, 76.6642,  
33.3857

50.0394, 74.4179,  
25.4724

60.2071, 79.2732,  
43.4048

46.0835, 72.5064,  
19.5095


66.4977, 82.2513,  
55.6604


42.8202, 70.9133,  
15.3281


73.6404, 85.6174,  
70.2786

40.1976, 69.6162,  
12.7283

81.6680, 89.3857,  
87.3745

 38.1529, 68.5881,  
11.4577

 90.6115, 93.5699,  
107.0558

 37.5854, 68.3006,  
11.2024

 92.2474, 94.3947,  
107.9658

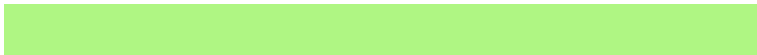
# Harmonies

## Analogous

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



67.2980, 76.6642, 23.8142



54.7317, 76.6642, 33.3857



47.7448, 76.6642, 58.0132

# Triad

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



54.7317, 76.6642, 33.3857



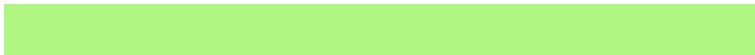
63.3288, 76.6642, 195.7686



107.0146, 76.6642, 68.1477

# Complementary

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



54.7317, 76.6642, 33.3857



49.1114, 35.4452, 91.4462

# Split Complementary

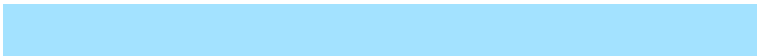
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.5429, 76.6642, 115.4697



54.7317, 76.6642, 33.3857



78.7351, 76.6642, 201.6104

# Square

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



54.7317, 76.6642, 33.3857



52.1890, 76.6642, 154.3786



94.6219, 76.6642, 168.2647



98.3918, 76.6642, 38.4854



# Rectangle

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



54.7317, 76.6642, 33.3857



46.4863, 76.6642, 84.7470



94.6219, 76.6642, 168.2647



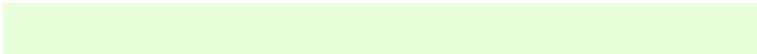
107.7123, 76.6642, 82.2143

# Sweetspot

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



54.7336, 76.6675, 33.3874



82.1763, 93.9669, 81.0314



63.2068, 63.4366, 30.3870



17.2012, 19.9305, 16.5284



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.



54.7336, 76.6675, 33.3874



54.5967, 80.8915, 28.1238



47.3841, 72.7668, 38.1022



16.8815, 18.7810, 17.5329



20.2050, 36.5289, 5.9859



1.8867, 3.2677, 0.5313



# Inverse Universe

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



49.1114, 35.4452, 91.4462



47.7841, 31.1826, 98.1081



60.7738, 41.6869, 81.6261



16.5638, 16.4333, 20.8415



15.9403, 7.1919, 47.0860

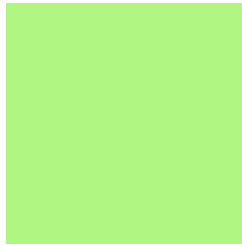


1.5153, 0.6910, 4.1438



# Previews

## White Background



This preview shows how the XYZ color 54.7317, 76.6642, 33.3857 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 54.7317, 76.6642, 33.3857 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

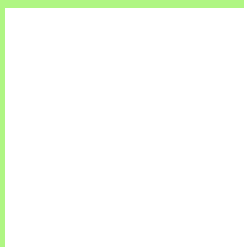
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.7317, 76.6642, 33.3857**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.7317, 76.6642, 33.3857.



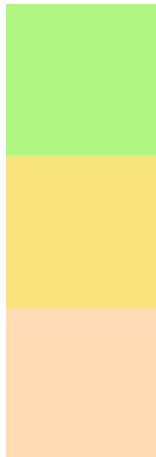
This preview shows how white text looks on a background with the XYZ color 54.7317, 76.6642,



# 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

54.7317, 76.6642, 33.3857

### Protanopia

69.5458, 75.8044, 30.0350

### Deuteranopia

75.1737, 75.7826, 54.3815



## Tritanopia

68.5173, 76.1476, 102.3535

# Trichromacy



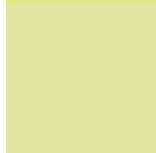
## Original Color

54.7317, 76.6642, 33.3857



## Protanomaly

62.7885, 75.1823, 31.2810



## Deuteranomaly

65.9942, 74.8517, 45.6199



## Tritanomaly

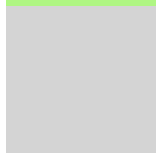
62.0402, 75.6382, 70.3612

# Monochromacy



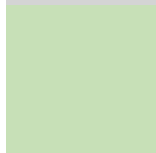
## Original Color

54.7317, 76.6642, 33.3857



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

58.7561, 68.8723, 54.9967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.7317, 76.6642, 33.3857 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(175, 246, 131)` looks like.

```
.text, #text, p{  
    color:rgb(175, 246, 131)  
}
```

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(175, 246, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 246, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7317, 76.6642, 33.3857 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(175, 246, 131) }
```



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

```
.border{ border-color:rgb(175, 246, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 246, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 246, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 246, 131);  
box-shadow:4px 4px 4px 4px rgb(175, 246,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7317, 76.6642, 33.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 246, 131) }
```

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

```
.background{ background-color: rgb(175,  
246, 131) }
```

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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