

# Converting Colors

XYZ(44.4375, 57.0544, 28.6146)

Have a look what the booklet for  
XYZ(44.4375, 57.0544, 28.6146)  
contains.

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# Color

**XYZ(44.3586, 57.0051,  
28.7438)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ADD37F
RGB	173, 211, 127
RGB Percent	68%, 83%, 50%
CMY	0.3216, 0.1725, 0.5020
CMYK	0.18, 0.00, 0.40, 0.17
HSL	87°, 49%, 66%
HSV	87°, 40%, 83%
XYZ	44.3586, 57.0051, 28.7438
YIQ	190.0620, 4.3160, -34.1800

# Conversions

## Conversions Part 2

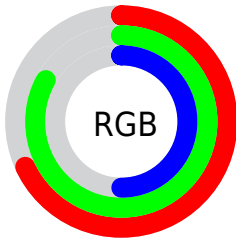
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 211, 165
Decimal	11391871
CIELab	80.18, -26.74, 37.53
CIELCh	80, 46.085, 125.470
Yxy	57.0051, 0.3409, 0.4381
Android (android.graphics.Color)	4289581951 (0xFFADD37F)
YUV	190.0620, -31.0896, -14.9634
Hunter-Lab	75.5017, -27.2561, 30.2793

# Details

The XYZ color **44.3586, 57.0051, 28.7438** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.8667, 27.8829, 65.1755**, and the grayscale version is **49.1523, 51.7120, 56.3144**.

A 20% lighter version of the original color is **76.7336, 91.6792, 57.3676**, and **20.8007, 28.2207, 11.1883** is the 20% darker color. If you saturate the color by 10%, you get **41.0893, 55.4641, 22.1489**, and if you desaturate by 10%, it is **48.0697, 58.7441, 36.8649**.

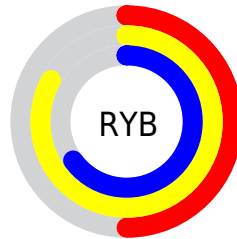
# Distribution



Red (68%)

Green (83%)

Blue (50%)



Red (50%)

Yellow (83%)

Blue (65%)

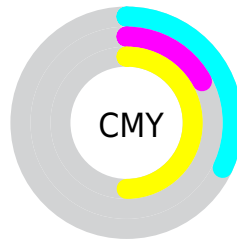


Cyan (18%)

Magenta (0%)

Yellow (40%)

Black (17%)



Cyan (32%)

Magenta (17%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3586, 57.0051, 28.7438 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 44.3586, 57.0051, 28.7438 by changing the saturation by 10% instead.



■ 44.3586, 57.0051,  
28.7438

■ 44.3586, 57.0051,  
28.7438

354.9972,  
413.4684, 310.0272

■ 31.1516, 41.0093,  
18.6432

■ 81.0001, 100.4726,  
58.7071

■ 20.8667, 28.3264,  
11.2385

■ 105.1653,  
128.7132, 79.4069

■ 13.1385, 18.5718,  
6.1113

■ 133.7140,  
161.8041, 104.4768

■ 7.6017, 11.3613,  
2.8430

167.0116,  
200.1298, 134.3354

■ 3.8908, 6.3104,  
1.0150

205.4233,  
244.0747, 169.4012

■ 1.6405, 3.0347,  
0.0000

249.3146,

■ 0.4186, 1.1499,

294.0232, 210.0927

0.0000

299.0508,  
350.3596, 256.8285

■ 0.0000, 0.0202,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.3586, 57.0051,  
28.7438

■ 44.3586, 57.0051,  
28.7438

■ 41.0893, 55.4641,  
22.1489

■ 48.0697, 58.7441,  
36.8649

■ 38.2361, 54.1046,  
16.9810


■ 52.2378, 60.6818,  
46.5958


■ 35.7772, 52.9196,  
13.1348


■ 56.8826, 62.8283,  
58.0185

■ 33.6861, 51.8980,  
10.4891


■ 62.0213, 65.1908,  
71.2083


 31.9322, 51.0272,  
8.9002


 67.6701, 67.7760,  
86.2359


 30.4632, 50.2858,  
8.1120

 73.8443, 70.5906,  
103.1682

 30.4371, 50.2726,  
8.0994

 77.2212, 72.3056,  
104.4941

 80.5448, 74.0190,  
104.6497

 82.5855, 75.0710,  
104.7452

# Harmonies

## Analogous

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



52.4774, 57.0051, 23.4933



44.3586, 57.0051, 28.7438



39.3501, 57.0051, 42.9685

# Triad

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



44.3586, 57.0051, 28.7438



47.0210, 57.0051, 122.0504



74.2316, 57.0051, 57.2655

# Complementary

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



44.3586, 57.0051, 28.7438



34.8667, 27.8829, 65.1755

# Split Complementary

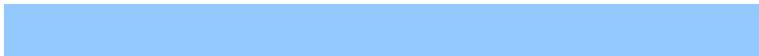
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3378, 57.0051, 86.1266



44.3586, 57.0051, 28.7438



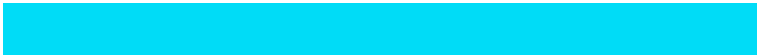
55.9224, 57.0051, 129.1442

# Square

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



44.3586, 57.0051, 28.7438



40.7582, 57.0051, 97.1991



65.3573, 57.0051, 114.4706



70.2694, 57.0051, 36.6231



# Rectangle

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



44.3586, 57.0051, 28.7438



38.0917, 57.0051, 58.0710



65.3573, 57.0051, 114.4706



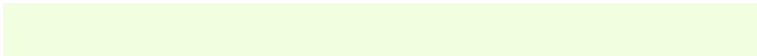
74.2635, 57.0051, 66.2462

# Sweetspot

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



44.3600, 57.0076, 28.7450



85.5977, 95.6518, 84.7569



44.1160, 42.2214, 25.9039



18.1157, 20.3784, 17.6308



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.



44.3600, 57.0076, 28.7450



63.6850, 85.4300, 35.1788



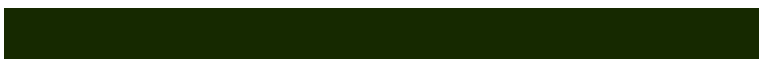
36.5179, 52.9648, 28.3780



12.2661, 13.5206, 12.5753



18.4874, 30.3996, 4.8933



1.1245, 1.7466, 0.2779



# Inverse Universe

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



34.8667, 27.8829, 65.1755



47.1162, 34.5741, 98.7979



45.0258, 33.1200, 65.6509



11.6644, 11.6758, 14.8825



10.0877, 4.3807, 37.5064



0.6549, 0.2918, 2.1014



# Previews

## White Background



This preview shows how the XYZ color 44.3586, 57.0051, 28.7438 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 44.3586, 57.0051, 28.7438 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

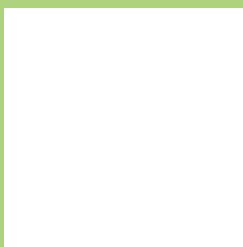
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.3586, 57.0051, 28.7438**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3586, 57.0051, 28.7438.



This preview shows how white text looks on a background with the XYZ color 44.3586, 57.0051,



# 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

44.3586, 57.0051, 28.7438

### Protanopia

52.3222, 56.5450, 26.5690

### Deuteranopia

57.8382, 56.6700, 29.7198



## Tritanopia

53.2986, 56.7055, 73.1019

# Trichromacy



## Original Color

44.3586, 57.0051, 28.7438

## Protanomaly

49.0814, 56.5846, 27.4038

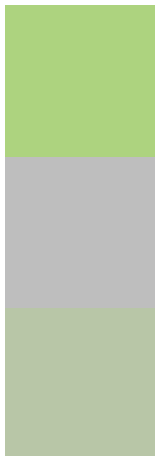
## Deuteranomaly

51.9549, 56.2960, 29.2470

## Tritanomaly

49.3007, 56.4702, 53.6488

# Monochromacy



## Original Color

44.3586, 57.0051, 28.7438

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

46.9363, 53.3685, 44.3866

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3586, 57.0051, 28.7438 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, 211, 127)` looks like.

```
.text, #text, p{  
    color:rgb(173, 211, 127)  
}
```

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, 211, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 211, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3586, 57.0051, 28.7438 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, 211, 127) }
```



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

```
.border{ border-color:rgb(173, 211, 127) }
```

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

Here you see how a box with a 4 pixel rgb(173, 211, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 211, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 211, 127);  
box-shadow:4px 4px 4px 4px rgb(173, 211,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3586, 57.0051, 28.7438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 211, 127) }
```

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

```
.background{ background-color: rgb(173,  
211, 127) }
```

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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