

# Converting Colors

XYZ(27.7039, 47.1956, 17.2906)

Have a look what the booklet for  
XYZ(27.7039, 47.1956, 17.2906)  
contains.

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# Color

**XYZ(27.7256, 47.2028,  
17.3226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53CF5A
RGB	83, 207, 90
RGB Percent	33%, 81%, 35%
CMY	0.6745, 0.1882, 0.6470
CMYK	0.60, 0.00, 0.57, 0.19
HSL	123°, 56%, 57%
HSV	123°, 60%, 81%
XYZ	27.7256, 47.2028, 17.3226
YIQ	156.5860, -36.3470, -62.6750

# Conversions

## Conversions Part 2

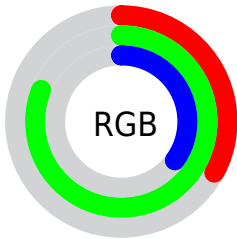
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 200, 207
Decimal	5492570
CIELab	74.32, -57.71, 47.35
CIELCh	74, 74.646, 140.628
Yxy	47.2028, 0.3005, 0.5117
Android (android.graphics.Color)	4283682650 (0xFF53CF5A)
YUV	156.5860, -32.8269, -64.5349
Hunter-Lab	68.7043, -48.1989, 33.1441

# Details

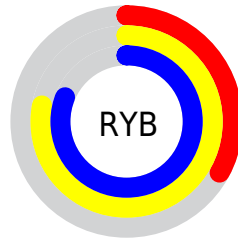
The XYZ color **27.7256, 47.2028, 17.3226** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **39.2521, 23.6229, 57.1357**, and the grayscale version is **32.0173, 33.6847, 36.6826**.

A 20% lighter version of the original color is **52.2195, 79.4325, 38.5663**, and **11.4005, 22.2668, 5.4473** is the 20% darker color. If you saturate the color by 10%, you get **25.4397, 46.1095, 13.4319**, and if you desaturate by 10%, it is **30.7773, 48.6684, 22.3912**.

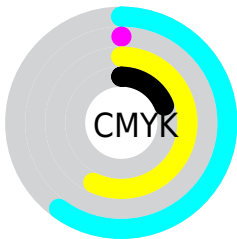
# Distribution



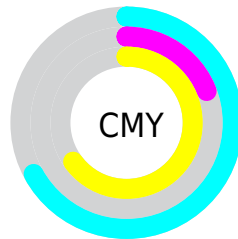
- Red (33%)
- Green (81%)
- Blue (35%)



- Red (33%)
- Yellow (78%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (57%)
- Black (19%)



- Cyan (67%)
- Magenta (19%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7256, 47.2028, 17.3226 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 27.7256, 47.2028, 17.3226 by changing the saturation by 10% instead.



■ 27.7256, 47.2028,  
17.3226

■ 27.7256, 47.2028,  
17.3226

283.2573,  
375.6234, 249.1312

■ 18.2583, 33.1960,  
10.3004

■ 55.4578, 86.0163,  
39.6778

■ 11.2364, 22.2766,  
5.4904

■ 74.4533, 111.5917,  
55.8479

■ 6.2945, 14.0603,  
2.4740

■ 97.3557, 141.7922,  
75.9044

■ 3.0674, 8.1626,  
0.8263

■ 124.5303,  
177.0020, 100.2658

■ 1.1895, 4.1992,  
0.0000

156.3424,  
217.6057, 129.3506

■ 0.0980, 1.7856,  
0.0000

193.1573,

■ 0.0000, 0.4782,

263.9876, 163.5774

0.0000

235.3405,  
316.5320, 203.3648

■ 0.0000, 0.0000,  
0.0000

■ 27.7256, 47.2028,  
17.3226

■ 27.7256, 47.2028,  
17.3226

■ 25.4397, 46.1095,  
13.4319

■ 30.7773, 48.6684,  
22.3912

■ 23.8485, 45.3498,  
10.6215

■ 34.6510, 50.5293,  
28.7188

■ 22.8736, 44.8869,  
8.7832

■ 39.4016, 52.8136,  
36.3831

■ 22.3818, 44.6550,  
7.7835

■ 45.0783, 55.5452,  
45.4544

■ 22.3782, 44.6532,  
7.7774

■ 51.7266, 58.7460,  
55.9984

■ 59.3889, 62.4366,  
68.0763

■ 68.1053, 66.6366,  
81.7462

■ 77.9137, 71.3641,  
97.0628

■ 81.6037, 73.1075,  
104.4179

# Harmonies

## Analogous

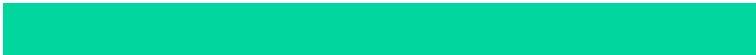
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.3732, 47.2028, 8.6156



27.7256, 47.2028, 17.3226



23.9153, 47.2028, 40.2755

# Triad

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



27.7256, 47.2028, 17.3226



40.7923, 47.2028, 164.2464



73.6109, 47.2028, 29.5068

# Complementary

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



27.7256, 47.2028, 17.3226



39.2521, 23.6229, 57.1357

# 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.



75.4486, 47.2028, 64.3950



27.7256, 47.2028, 17.3226



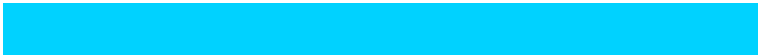
54.5849, 47.2028, 156.2393

# Square

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



27.7256, 47.2028, 17.3226



30.4045, 47.2028, 132.3196



67.9183, 47.2028, 113.9821



63.3076, 47.2028, 12.8170

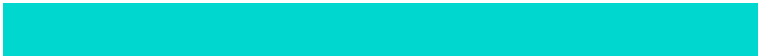


# Rectangle

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



27.7256, 47.2028, 17.3226



23.9800, 47.2028, 66.2684



67.9183, 47.2028, 113.9821



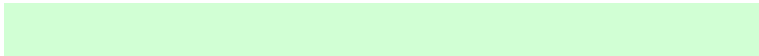
75.3096, 47.2028, 38.9337

# Sweetspot

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



27.7267, 47.2048, 17.3237



73.9276, 89.8278, 75.5257



47.9098, 57.6423, 16.7849



15.1996, 18.9265, 15.1727



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.



27.7267, 47.2048, 17.3237



39.9021, 73.4804, 20.0163



31.4835, 48.7075, 37.1067



11.6830, 13.2169, 12.6870



14.1101, 28.1370, 4.9602



0.7987, 1.5771, 0.3285



# Inverse Universe

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



39.2521, 23.6229, 57.1357



59.9442, 32.3877, 89.1850



33.4723, 21.3110, 26.6998



12.2808, 11.9970, 14.7544



22.4528, 10.8540, 33.6203



1.2644, 0.6105, 1.9272



# Previews

## White Background



This preview shows how the XYZ color 27.7256, 47.2028, 17.3226 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 27.7256, 47.2028, 17.3226 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 27.7256, 47.2028, 17.3226**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.7256, 47.2028, 17.3226.



This preview shows how white text looks on a background with the XYZ color 27.7256, 47.2028,



# 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

27.7256, 47.2028, 17.3226

### Protanopia

42.3383, 46.4826, 14.7232

### Deuteranopia

47.3199, 46.3176, 18.2505



## **Tritanopia**

37.7347, 46.7474, 68.0071

# Trichromacy



## Original Color

27.7256, 47.2028, 17.3226



## Protanomaly

34.3710, 45.1866, 15.5047



## Deuteranomaly

36.2549, 44.2004, 17.6870



## Tritanomaly

32.7858, 46.4248, 43.3093

# Monochromacy



## Original Color

27.7256, 47.2028, 17.3226



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

28.7695, 37.0992, 27.8349

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.7256, 47.2028, 17.3226 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(83, 207, 90)` looks like.

```
.text, #text, p{  
    color:rgb(83, 207, 90)  
}
```

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(83, 207, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 207, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 27.7256, 47.2028, 17.3226 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(83, 207, 90) }
```



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

```
.border{ border-color:rgb(83, 207, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 207, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 207, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 207, 90);  
box-shadow:4px 4px 4px 4px rgb(83, 207,  
90) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.7256, 47.2028, 17.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 207, 90) }
```

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

```
.background{ background-color: rgb(83, 207,  
90) }
```

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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