

# Converting Colors

XYZ(33.2651, 57.2411, 25.5278)

Have a look what the booklet for  
XYZ(33.2651, 57.2411, 25.5278)  
contains.

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# Color

**XYZ(33.1925, 57.1264,  
25.4967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BE273
RGB	75, 226, 115
RGB Percent	29%, 89%, 45%
CMY	0.7059, 0.1137, 0.5490
CMYK	0.67, 0.00, 0.49, 0.11
HSL	136°, 72%, 59%
HSV	136°, 67%, 89%
XYZ	33.1925, 57.1264, 25.4967
YIQ	168.1970, -54.3650, -66.5330

# Conversions

## Conversions Part 2

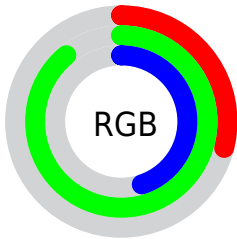
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 194, 226
Decimal	4973171
CIELab	80.25, -62.77, 42.68
CIElCh	80, 75.903, 145.789
Yxy	57.1264, 0.2866, 0.4933
Android (android.graphics.Color)	4283163251 (0xFF4BE273)
YUV	168.1970, -26.2261, -81.7338
Hunter-Lab	75.5820, -53.8787, 32.9066

# Details

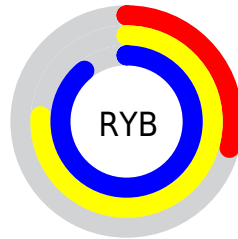
The XYZ color **33.1925, 57.1264, 25.4967** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **42.7447, 24.7470, 48.9795**, and the grayscale version is **37.4614, 39.4123, 42.9200**.

A 20% lighter version of the original color is **53.7366, 79.9600, 50.1377**, and **15.1134, 28.7461, 9.6025** is the 20% darker color. If you saturate the color by 10%, you get **30.8574, 56.0249, 20.8395**, and if you desaturate by 10%, it is **36.3303, 58.6250, 31.0934**.

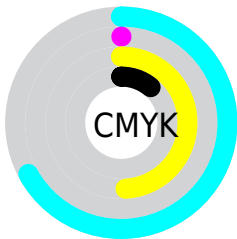
# Distribution



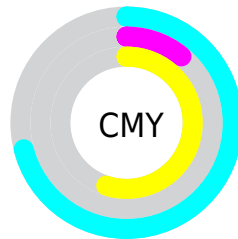
- Red (29%)
- Green (89%)
- Blue (45%)



- Red (29%)
- Yellow (76%)
- Blue (89%)



- Cyan (67%)
- Magenta (0%)
- Yellow (49%)
- Black (11%)




- Cyan (71%)
- Magenta (11%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1925, 57.1264, 25.4967 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 33.1925, 57.1264, 25.4967 by changing the saturation by 10% instead.





 33.1925, 57.1264,  
25.4967


 33.1925, 57.1264,  
25.4967


308.1659,  
413.9228, 293.8290


 22.4339, 41.1067,  
16.2251


 64.0286, 100.6496,  
53.4360

 14.2945, 28.4025,  
9.5275


 84.8368, 128.9219,  
72.9407

 8.4088, 18.6293,  
4.9853

 109.7257,  
162.0472, 96.6936

 4.4116, 11.4027,  
2.1801

 139.0604,  
200.4100, 125.1132

 1.9375, 6.3384,  
0.6628

173.2065,  
244.3945, 158.6180

 0.5985, 3.0519,  
0.0000

212.5292,

 0.0000, 1.1589,

294.3852, 197.6265

0.0000

257.3939,  
350.7665, 242.5574

■ 0.0000, 0.0277,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 33.1925, 57.1264,  
25.4967

■ 33.1925, 57.1264,  
25.4967

■ 30.8574, 56.0249,  
20.8395

■ 36.3303, 58.6250,  
31.0934

■ 29.2416, 55.2738,  
17.0658


■ 40.3348, 60.5479,  
37.6735


■ 28.2465, 54.8250,  
14.1193


■ 45.2683, 62.9279,  
45.2829

■ 28.0097, 54.7198,  
13.3427

■ 51.1859, 65.7926,  
53.9636

 58.1385, 69.1672,  
63.7548

 66.1732, 73.0754,  
74.6942

 75.3342, 77.5393,  
86.8174

 85.3668, 82.4267,  
100.1446

 86.4875, 82.8750,  
106.0458

# Harmonies

## Analogous

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



42.3360, 57.1264, 12.6563



33.1925, 57.1264, 25.4967



29.6689, 57.1264, 56.1423

# Triad

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



33.1925, 57.1264, 25.4967



52.1380, 57.1264, 192.0508



85.7933, 57.1264, 31.9675

# Complementary

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



33.1925, 57.1264, 25.4967



42.7447, 24.7470, 48.9795

# 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.



89.7708, 57.1264, 68.6805



33.1925, 57.1264, 25.4967



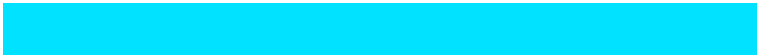
68.3219, 57.1264, 175.0427

# Square

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



33.1925, 57.1264, 25.4967



39.2058, 57.1264, 162.8462



82.8589, 57.1264, 123.5856



72.8351, 57.1264, 14.9504



# Rectangle

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



33.1925, 57.1264, 25.4967



30.3722, 57.1264, 88.4348



82.8589, 57.1264, 123.5856



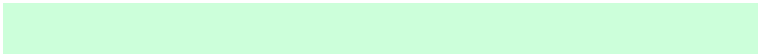
88.3189, 57.1264, 41.7477

# Sweetspot

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



33.1939, 57.1287, 25.4980



73.2527, 89.3937, 79.3880



49.2691, 65.6266, 16.7273



15.1233, 18.8642, 16.2103



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.



33.1939, 57.1287, 25.4980



39.6771, 73.2446, 25.4221



39.2037, 59.5327, 57.1450



13.6771, 15.3966, 15.3350



16.0208, 31.2332, 7.8325



1.1470, 2.1795, 0.7354



# Inverse Universe

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



42.7447, 24.7470, 48.9795



52.9616, 27.8428, 57.8159



36.8482, 22.3884, 17.9290



14.1319, 13.8704, 16.4648



21.8783, 10.8183, 21.8225

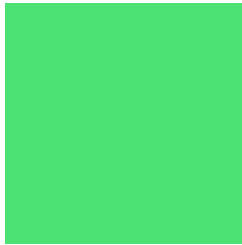


1.5528, 0.7644, 1.7041



# Previews

## White Background



This preview shows how the XYZ color 33.1925, 57.1264, 25.4967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

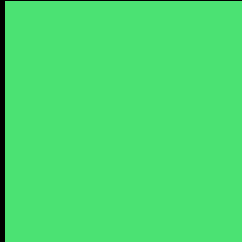
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.1925, 57.1264, 25.4967 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

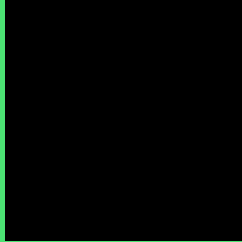
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 33.1925, 57.1264, 25.4967**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.1925, 57.1264, 25.4967.



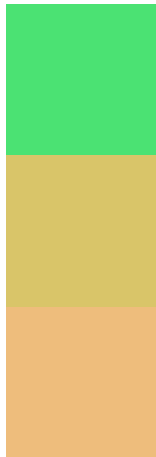
This preview shows how white text looks on a background with the XYZ color 33.1925, 57.1264,

25.4967.

# 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

33.1925, 57.1264, 25.4967

### Protanopia

51.1313, 55.7041, 21.4217

### Deuteranopia

57.0956, 56.0276, 26.8739



## Tritanopia

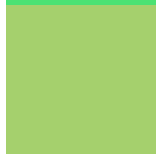
44.6327, 56.6812, 83.4511

# Trichromacy



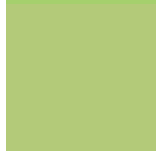
## Original Color

33.1925, 57.1264, 25.4967



## Protanomaly

40.8332, 54.2152, 22.7804



## Deuteranomaly

43.1621, 53.2052, 26.0839



## Tritanomaly

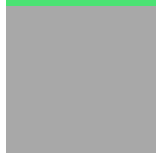
39.1855, 56.3703, 56.3922

# Monochromacy



## Original Color

33.1925, 57.1264, 25.4967



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

33.4539, 43.6335, 35.0927

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.1925, 57.1264, 25.4967 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(75, 226, 115)` looks like.

```
.text, #text, p{  
    color:rgb(75, 226, 115)  
}
```

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(75, 226, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 226, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 33.1925, 57.1264, 25.4967 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(75, 226, 115) }
```



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

```
.border{ border-color:rgb(75, 226, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 226, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 226, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 226, 115);  
box-shadow:4px 4px 4px 4px rgb(75, 226,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.1925, 57.1264, 25.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 226, 115) }
```

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

```
.background{ background-color: rgb(75, 226,  
115) }
```

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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