

# Converting Colors

XYZ(32.4134, 57.1790, 23.3900)

Have a look what the booklet for  
XYZ(32.4134, 57.1790, 23.3900)  
contains.

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# Color

**XYZ(32.4226, 57.1791,  
23.5152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42E36C
RGB	66, 227, 108
RGB Percent	26%, 89%, 42%
CMY	0.7412, 0.1098, 0.5765
CMYK	0.71, 0.00, 0.52, 0.11
HSL	136°, 74%, 57%
HSV	136°, 71%, 89%
XYZ	32.4226, 57.1791, 23.5152
YIQ	165.2950, -57.7570, -71.1410

# Conversions

## Conversions Part 2

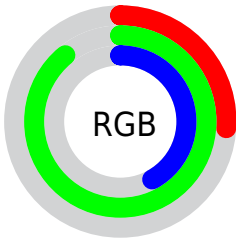
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 194, 227
Decimal	4383596
CIELab	80.28, -65.64, 46.01
CIELCh	80, 80.158, 144.974
Yxy	57.1791, 0.2866, 0.5055
Android (android.graphics.Color)	4282573676 (0xFF42E36C)
YUV	165.2950, -28.2464, -87.0817
Hunter-Lab	75.6169, -55.7932, 34.4939

# Details

The XYZ color **32.4226, 57.1791, 23.5152** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **42.3853, 23.7310, 48.2468**, and the grayscale version is **36.0584, 37.9363, 41.3126**.

A 20% lighter version of the original color is **52.1131, 79.1970, 46.7223**, and **15.0885, 29.0350, 8.5504** is the 20% darker color. If you saturate the color by 10%, you get **30.3772, 56.2197, 19.1989**, and if you desaturate by 10%, it is **35.2492, 58.5246, 28.7676**.

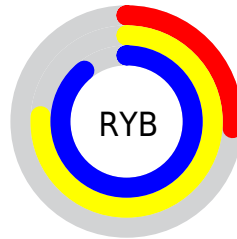
# Distribution



Red (26%)

Green (89%)

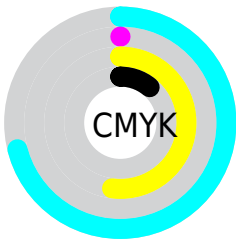
Blue (42%)



Red (26%)

Yellow (76%)

Blue (89%)

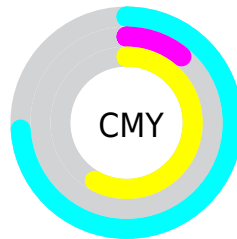


Cyan (71%)

Magenta (0%)

Yellow (52%)

Black (11%)



Cyan (74%)

Magenta (11%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4226, 57.1791, 23.5152 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 32.4226, 57.1791, 23.5152 by changing the saturation by 10% instead.





 32.4226, 57.1791,  
23.5152


 32.4226, 57.1791,  
23.5152


304.7511,  
414.1201, 283.5674

 21.8416, 41.1491,  
14.7655


 62.8337, 100.7265,  
50.1718


 13.8565, 28.4356,  
8.5102


 83.3946, 129.0126,  
68.9158

 8.1020, 18.6543,  
4.3307


 108.0128,  
162.1528, 91.8283

 4.2126, 11.4207,  
1.8085

 137.0536,  
200.5316, 119.3278

 1.8231, 6.3506,  
0.4335

170.8825,  
244.5334, 151.8330

 0.5315, 3.0594,  
0.0000

209.8648,

 0.0000, 1.1628,

294.5424, 189.7623

0.0000

254.3659,  
350.9432, 233.5342

■ 0.0000, 0.0310,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 32.4226, 57.1791,  
23.5152

■ 32.4226, 57.1791,  
23.5152

■ 30.3772, 56.2197,  
19.1989

■ 35.2492, 58.5246,  
28.7676


■ 29.0222, 55.5959,  
15.7592


■ 38.9260, 60.2858,  
35.0031


■ 28.2653, 55.2584,  
13.3439


■ 43.5188, 62.4974,  
42.2703


■ 49.0858, 65.1884,  
50.6132

 55.6800, 68.3853,  
60.0734

 63.3508, 72.1127,  
70.6902

 72.1441, 76.3935,  
82.5010

 82.1033, 81.2493,  
95.5414

 86.7602, 83.4204,  
106.1367

# Harmonies

## Analogous

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



42.1058, 57.1791, 11.0671



32.4226, 57.1791, 23.5152



28.6253, 57.1791, 54.6868

# Triad

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



32.4226, 57.1791, 23.5152



51.6346, 57.1791, 202.2472



88.1842, 57.1791, 31.4151

# Complementary

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



32.4226, 57.1791, 23.5152



42.3853, 23.7310, 48.2468

# 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.



92.1407, 57.1791, 70.4983



32.4226, 57.1791, 23.5152



68.7569, 57.1791, 185.0242

# Square

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



32.4226, 57.1791, 23.5152



38.2022, 57.1791, 169.1681



84.4294, 57.1791, 129.6938



74.4993, 57.1791, 13.7576



# Rectangle

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



32.4226, 57.1791, 23.5152



29.2483, 57.1791, 88.5904



84.4294, 57.1791, 129.6938



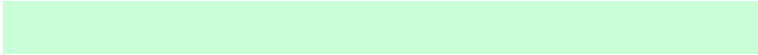
90.7989, 57.1791, 41.7414

# Sweetspot

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



32.4240, 57.1814, 23.5165



72.2883, 88.9279, 77.9281



48.8868, 65.8674, 15.2916



14.9343, 18.7730, 15.9173



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.



32.4240, 57.1814, 23.5165



38.6248, 72.7593, 22.7859



38.6603, 59.6760, 56.3564



14.3429, 16.1506, 16.0704



16.5245, 32.2419, 7.9961



1.2585, 2.3975, 0.7876



# Inverse Universe

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



42.3853, 23.7310, 48.2468



52.1868, 26.7605, 56.1164



36.2428, 21.2740, 15.9006



14.8261, 14.5476, 17.2848



22.6354, 11.1884, 22.7725

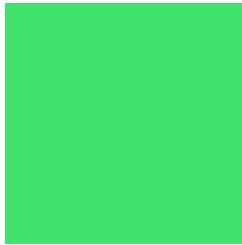


1.7102, 0.8418, 1.8804



# Previews

## White Background



This preview shows how the XYZ color 32.4226, 57.1791, 23.5152 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 32.4226, 57.1791, 23.5152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

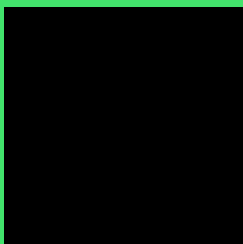
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

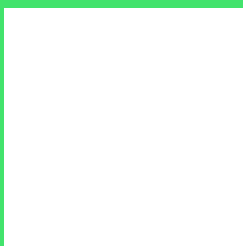
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.4226, 57.1791, 23.5152**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.4226, 57.1791, 23.5152.



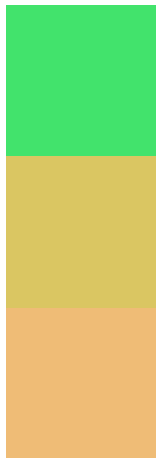
This preview shows how white text looks on a background with the XYZ color 32.4226, 57.1791,



# 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

32.4226, 57.1791, 23.5152

### Protanopia

51.3121, 56.1754, 19.6938

### Deuteranopia

56.8498, 55.6252, 24.8800



## Tritanopia

44.5338, 56.9885, 84.2540

# Trichromacy



## Original Color

32.4226, 57.1791, 23.5152



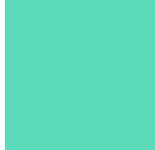
## Protanomaly

40.3030, 54.3468, 20.9362



## Deuteranomaly

42.0623, 52.6861, 23.8721



## Tritanomaly

38.6081, 56.4835, 55.3219

# Monochromacy



## Original Color

32.4226, 57.1791, 23.5152



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

32.0705, 42.6472, 32.9270

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.4226, 57.1791, 23.5152 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(66, 227, 108)` looks like.

```
.text, #text, p{  
    color:rgb(66, 227, 108)  
}
```

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(66, 227, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 227, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 32.4226, 57.1791, 23.5152 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(66, 227, 108) }
```



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

```
.border{ border-color:rgb(66, 227, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 227, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 227, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 227, 108);  
box-shadow:4px 4px 4px 4px rgb(66, 227,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.4226, 57.1791, 23.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 227, 108) }
```

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

```
.background{ background-color: rgb(66, 227,  
108) }
```

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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