

# Converting Colors

XYZ(37.7039, 67.6833, 24.9071)

Have a look what the booklet for  
XYZ(37.7039, 67.6833, 24.9071)  
contains.

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# Color

**XYZ(37.6901, 67.5953,  
24.9706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44F56B
RGB	68, 245, 107
RGB Percent	27%, 96%, 42%
CMY	0.7333, 0.0392, 0.5804
CMYK	0.72, 0.00, 0.56, 0.04
HSL	133°, 90%, 61%
HSV	133°, 72%, 96%
XYZ	37.6901, 67.5953, 24.9706
YIQ	176.3450, -61.1940, -80.4420

# Conversions

## Conversions Part 2

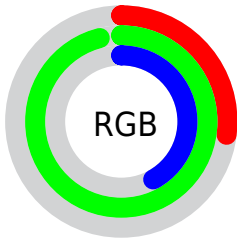
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 213, 245
Decimal	4519275
CIELab	85.80, -71.47, 53.10
CIELCh	86, 89.039, 143.387
Yxy	67.5953, 0.2894, 0.5189
Android (android.graphics.Color)	4282709355 (0xFF44F56B)
YUV	176.3450, -34.1871, -95.0186
Hunter-Lab	82.2164, -62.0496, 39.5440

# Details

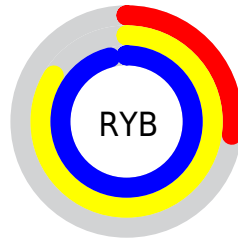
The XYZ color **37.6901, 67.5953, 24.9706** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **50.8657, 28.0039, 61.1179**, and the grayscale version is **41.6443, 43.8130, 47.7124**.

A 20% lighter version of the original color is **52.9290, 79.6176, 46.7605**, and **18.4129, 35.7977, 9.3073** is the 20% darker color. If you saturate the color by 10%, you get **35.4285, 66.5349, 20.1865**, and if you desaturate by 10%, it is **40.8903, 69.1178, 30.9603**.

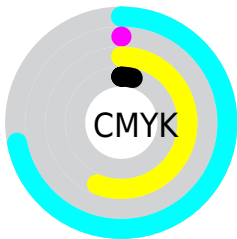
# Distribution



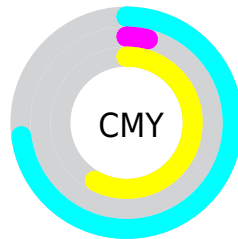
- Red (27%)
- Green (96%)
- Blue (42%)



- Red (27%)
- Yellow (84%)
- Blue (96%)



- Cyan (72%)
- Magenta (0%)
- Yellow (56%)
- Black (4%)




- Cyan (73%)
- Magenta (4%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6901, 67.5953, 24.9706 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 37.6901, 67.5953, 24.9706 by changing the saturation by 10% instead.





 37.6901, 67.5953,  
24.9706


 37.6901, 67.5953,  
24.9706


327.5926,  
452.0608, 291.1345


 25.9184, 49.5686,  
15.8363


 70.9399, 115.7730,  
52.5731


 16.8949, 35.0707,  
9.2553


 93.1486, 146.6928,  
71.8783

 10.2545, 23.7174,  
4.8090


 119.5671,  
182.6790, 95.4110

 5.6316, 15.1241,  
2.0789

 150.5606,  
224.1160, 123.5896

 2.6609, 8.9065,  
0.6031

186.4946,  
271.3884, 156.8327

 0.9771, 4.6803,  
0.0000

227.7343,

 0.0000, 2.0609,

324.8803, 195.5589

0.0000

274.6452,  
384.9764, 240.1866

0.0000, 0.6425,  
0.0000

0.0000, 0.0000,  
0.0000

37.6901, 67.5953,  
24.9706

37.6901, 67.5953,  
24.9706

35.4285, 66.5349,  
20.1865

40.8903, 69.1178,  
30.9603


33.9903, 65.8731,  
16.5211


45.1169, 71.1403,  
38.2255


33.3193, 65.5737,  
14.3893

50.4526, 73.7059,  
46.8360

56.9703, 76.8508,  
56.8553

 64.7363, 80.6081,  
68.3428

 73.8123, 85.0084,  
81.3544

 84.2556, 90.0800,  
95.9433

 91.9437, 93.7875,  
107.8646

# Harmonies

## Analogous

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



49.9398, 67.5953, 11.2323



37.6901, 67.5953, 24.9706



32.7024, 67.5953, 61.4401

# Triad

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



37.6901, 67.5953, 24.9706



59.8479, 67.5953, 250.3439



107.2442, 67.5953, 37.4911

# Complementary

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



37.6901, 67.5953, 24.9706



50.8657, 28.0039, 61.1179

# 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.



111.4533, 67.5953, 87.2665



37.6901, 67.5953, 24.9706



81.0556, 67.5953, 231.6995

# Square

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



37.6901, 67.5953, 24.9706



43.6311, 67.5953, 205.0833



101.0306, 67.5953, 162.6495



90.5090, 67.5953, 15.3332



# Rectangle

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



37.6901, 67.5953, 24.9706



33.2166, 67.5953, 102.6980



101.0306, 67.5953, 162.6495



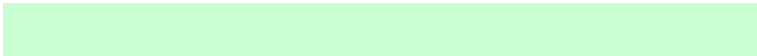
110.2987, 67.5953, 50.5933

# Sweetspot

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



37.6917, 67.5981, 24.9721



71.0774, 88.3647, 75.1101



59.3326, 78.9404, 17.5789



14.6874, 18.6589, 15.3082



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.



37.6917, 67.5981, 24.9721



37.9163, 72.4555, 19.9765



44.8715, 70.4700, 62.7800



16.4317, 18.5318, 18.2916



17.9911, 35.3413, 7.9728



1.6182, 3.1209, 0.8953



# Inverse Universe

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



50.8657, 28.0039, 61.1179



52.9426, 26.8179, 60.8519



43.0040, 24.8593, 19.7187



17.0482, 16.7021, 20.0002



25.4072, 12.5063, 27.9162

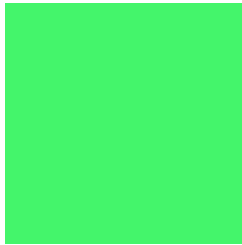


2.2707, 1.1143, 2.6520



# Previews

## White Background



This preview shows how the XYZ color 37.6901, 67.5953, 24.9706 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 37.6901, 67.5953, 24.9706 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 37.6901, 67.5953, 24.9706

## Background



This preview shows how black text looks on a background with the XYZ color 37.6901, 67.5953, 24.9706.



This preview shows how white text looks on a background with the XYZ color 37.6901, 67.5953,



# 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

37.6901, 67.5953, 24.9706

### Protanopia

60.5440, 66.2844, 20.9124

### Deuteranopia

66.9977, 66.1117, 31.0595



## Tritanopia

52.4659, 67.0780, 99.8046

# Trichromacy



## Original Color

37.6901, 67.5953, 24.9706



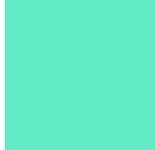
## Protanomaly

46.9534, 63.9040, 22.1719



## Deuteranomaly

49.4002, 62.6579, 28.2294



## Tritanomaly

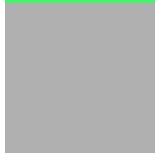
44.8234, 66.0445, 63.2088

# Monochromacy



## Original Color

37.6901, 67.5953, 24.9706



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

36.7891, 49.3260, 36.8600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6901, 67.5953, 24.9706 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(68, 245, 107)` looks like.

```
.text, #text, p{  
    color:rgb(68, 245, 107)  
}
```

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(68, 245, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 245, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6901, 67.5953, 24.9706 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(68, 245, 107) }
```



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

```
.border{ border-color:rgb(68, 245, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 245, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 245, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 245, 107);  
box-shadow:4px 4px 4px 4px rgb(68, 245,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6901, 67.5953, 24.9706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 245, 107) }
```

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

```
.background{ background-color: rgb(68, 245,  
107) }
```

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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