

Converting Colors

XYZ(38.5463, 67.6526, 38.2897)

Have a look what the booklet for
XYZ(38.5463, 67.6526, 38.2897)
contains.

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Color

**XYZ(38.6037, 67.7735,
38.2411)**

Conversions

Conversions Part 1

Format	Color
Hex	25F592
RGB	37, 245, 146
RGB Percent	15%, 96%, 57%
CMY	0.8549, 0.0392, 0.4274
CMYK	0.85, 0.00, 0.40, 0.04
HSL	151°, 91%, 55%
HSV	151°, 85%, 96%
XYZ	38.6037, 67.7735, 38.2411
YIQ	171.5220, -92.1890, -74.8850

Conversions

Conversions Part 2

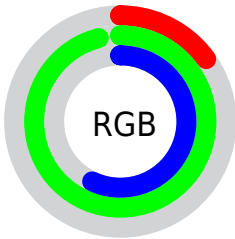
Format	Color
RYB	37, 173, 245
Decimal	2487698
CIELab	85.89, -68.91, 34.57
CIELCh	86, 77.096, 153.360
Yxy	67.7735, 0.2669, 0.4686
Android (android.graphics.Color)	4280677778 (0xFF25F592)
YUV	171.5220, -12.5823, -117.9758
Hunter-Lab	82.3247, -60.3659, 30.0861

Details

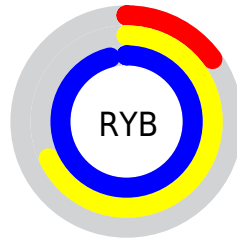
The XYZ color **38.6037, 67.7735, 38.2411** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **42.7641, 22.5147, 25.3879**, and the grayscale version is **39.0682, 41.1028, 44.7610**.

A 20% lighter version of the original color is **54.3287, 79.8746, 67.8123**, and **19.7907, 36.3488, 16.5626** is the 20% darker color. If you saturate the color by 10%, you get **37.1394, 67.1200, 33.6772**, and if you desaturate by 10%, it is **40.7523, 68.7727, 43.3231**.

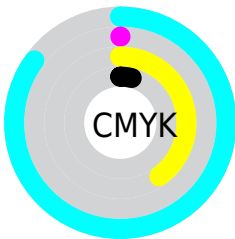
Distribution



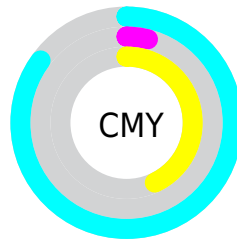
- Red (15%)
- Green (96%)
- Blue (57%)



- Red (15%)
- Yellow (68%)
- Blue (96%)



- Cyan (85%)
- Magenta (0%)
- Yellow (40%)
- Black (4%)





- Cyan (85%)
- Magenta (4%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6037, 67.7735, 38.2411 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 38.6037, 67.7735, 38.2411 by changing the saturation by 10% instead.


 38.6037, 67.7735,
38.2411


 38.6037, 67.7735,
38.2411


331.4389,
452.6931, 353.9822


 26.6309, 49.7135,
25.8666


 72.3305, 116.0281,
73.6850


 17.4314, 35.1858,
16.4990

 94.8152, 146.9914,
97.5916


 10.6397, 23.8060,
9.7198

 121.5345,
183.0246, 126.1792

 5.8906, 15.1898,
5.1104

 152.8539,
224.5122, 159.8664

 2.8187, 8.9527,
2.2523

 189.1387,
271.8384, 199.0717

 1.0586, 4.7103,
0.7043

230.7542,

 0.0000, 2.0783,

325.3877, 244.2138

0.0000

278.0658,
385.5445, 295.7111

■ 0.0000, 0.6524,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.6037, 67.7735,
38.2411

■ 38.6037, 67.7735,
38.2411

■ 37.1394, 67.1200,
33.6772


■ 40.7523, 68.7727,
43.3231

■ 36.5755, 66.8761,
31.5368


■ 43.6843, 70.1630,
48.9372


■ 47.4869, 71.9908,
55.1022


■ 52.2335, 74.2937,
61.8343

 57.9895, 77.1051,
69.1489

 64.8145, 80.4554,
77.0605

 72.7628, 84.3726,
85.5834

 81.8854, 88.8824,
94.7309

 91.2996, 93.5297,
104.4727

Harmonies

Analogous

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



47.5053, 67.7735, 18.7573



38.6037, 67.7735, 38.2411



36.1396, 67.7735, 79.6349

Triad

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



38.6037, 67.7735, 38.2411



66.4252, 67.7735, 219.4741



97.1077, 67.7735, 32.2252

Complementary

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



38.6037, 67.7735, 38.2411



42.7641, 22.5147, 25.3879

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.



104.5625, 67.7735, 68.2456



38.6037, 67.7735, 38.2411



84.9293, 67.7735, 188.3173

Square

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



38.6037, 67.7735, 38.2411



50.3717, 67.7735, 199.1507



99.7449, 67.7735, 126.4906



80.8561, 67.7735, 16.5643

Rectangle

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



38.6037, 67.7735, 38.2411



38.0232, 67.7735, 119.4068



99.7449, 67.7735, 126.4906



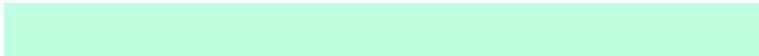
100.8475, 67.7735, 41.5866

Sweetspot

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



38.6054, 67.7762, 38.2427



70.8526, 88.0463, 84.2490



43.3929, 70.8050, 13.1306



14.5741, 18.5549, 17.3644



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.



38.6054, 67.7762, 38.2427



40.0370, 73.2308, 34.4425



48.8600, 70.2156, 97.3673



16.6450, 18.6171, 19.4148



19.7738, 36.0544, 17.3604



1.7899, 3.1896, 1.7993

Inverse Universe

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



42.7641, 22.5147, 25.3879



44.7142, 22.6497, 20.2248



38.7666, 21.0966, 3.7797



16.8276, 16.6139, 18.8386



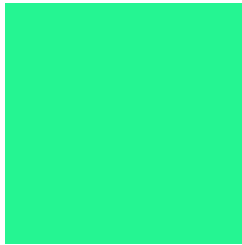
22.0727, 11.1725, 10.3572



1.9916, 1.0026, 1.1819

Previews

White Background



This preview shows how the XYZ color 38.6037, 67.7735, 38.2411 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 38.6037, 67.7735, 38.2411 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 38.6037, 67.7735, 38.2411

Background



This preview shows how black text looks on a background with the XYZ color 38.6037, 67.7735, 38.2411.

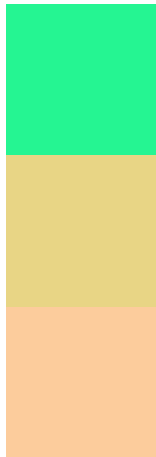


This preview shows how white text looks on a background with the XYZ color 38.6037, 67.7735,

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

38.6037, 67.7735, 38.2411

Protanopia

61.3066, 66.4378, 31.7829

Deuteranopia

67.7385, 66.2815, 40.6759



Tritanopia

51.2708, 67.6758, 101.6273

Trichromacy



Original Color

38.6037, 67.7735, 38.2411



Protanomaly

46.2106, 63.2625, 33.8201



Deuteranomaly

48.4546, 61.9287, 39.1054



Tritanomaly

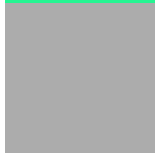
45.1185, 66.8283, 73.4720

Monochromacy



Original Color

38.6037, 67.7735, 38.2411



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.2027, 47.7021, 42.0024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6037, 67.7735, 38.2411 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(37, 245, 146)` looks like.

```
.text, #text, p{  
    color:rgb(37, 245, 146)  
}
```

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(37, 245, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 245, 146) }
```

Border

The CSS property to change the border of an element to XYZ 38.6037, 67.7735, 38.2411 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(37, 245, 146) }
```


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

```
.border{ border-color:rgb(37, 245, 146) }
```

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

Here you see how a box with a 4 pixel rgb(37, 245, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 245, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 245, 146);  
box-shadow:4px 4px 4px 4px rgb(37, 245,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6037, 67.7735, 38.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 245, 146) }
```

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

```
.background{ background-color: rgb(37, 245,  
146) }
```

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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