

Converting Colors

XYZ(38.4367, 67.0440, 26.9838)

Have a look what the booklet for
XYZ(38.4367, 67.0440, 26.9838)
contains.

XYZ(38.4534, 67.0445, 27.1338)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.4534, 67.0445,
27.1338)**

Conversions

Conversions Part 1

Format	Color
Hex	50F373
RGB	80, 243, 115
RGB Percent	31%, 95%, 45%
CMY	0.6863, 0.0470, 0.5490
CMYK	0.67, 0.00, 0.53, 0.05
HSL	133°, 87%, 63%
HSV	133°, 67%, 95%
XYZ	38.4534, 67.0445, 27.1338
YIQ	179.6710, -56.0600, -74.3640

Conversions

Conversions Part 2

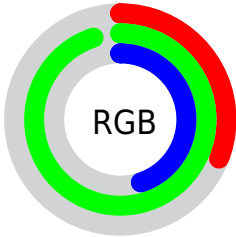
Format	Color
R_{YB}	80, 214, 243
Decimal	5305203
CIE _{Lab}	85.53, -67.81, 49.19
CIE _{LCh}	86, 83.773, 144.045
Yxy	67.0445, 0.2899, 0.5055
Android (android.graphics.Color)	4283495283 (0xFF50F373)
YUV	179.6710, -31.8828, -87.4115
Hunter-Lab	81.8807, -59.4628, 37.6688

Details

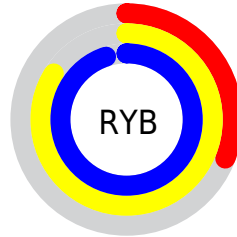
The XYZ color **38.4534, 67.0445, 27.1338** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **51.2180, 29.3473, 62.6415**, and the grayscale version is **43.3945, 45.6544, 49.7176**.

A 20% lighter version of the original color is **54.7755, 80.4956, 50.1863**, and **18.2185, 35.0457, 10.3617** is the 20% darker color. If you saturate the color by 10%, you get **35.7738, 65.7791, 21.8584**, and if you desaturate by 10%, it is **42.1051, 68.7886, 33.6440**.

Distribution



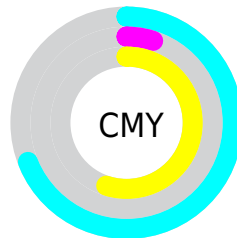
- Red (31%)
- Green (95%)
- Blue (45%)



- Red (31%)
- Yellow (84%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (53%)
- Black (5%)




- Cyan (69%)
- Magenta (5%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4534, 67.0445, 27.1338 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 38.4534, 67.0445, 27.1338 by changing the saturation by 10% instead.


 38.4534, 67.0445,
27.1338


 38.4534, 67.0445,
27.1338


330.8083,
450.1032, 302.0850


 26.5136, 49.1208,
17.4404


 72.1020, 114.9842,
56.1048


 17.3429, 34.7153,
10.3837


 94.5415, 145.7689,
76.2196

 10.5761, 23.4437,
5.5452


 121.2115,
181.6095, 100.6452

 5.8478, 14.9214,
2.5063

 152.4776,
222.8902, 129.8002

 2.7925, 8.7643,
0.8435

188.7049,
269.9956, 164.1031

 1.0450, 4.5877,
0.0000

230.2589,

 0.0000, 2.0075,

323.3099, 203.9725

0.0000

277.5049,
383.2177, 249.8270

■ 0.0000, 0.6118,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4534, 67.0445,
27.1338

■ 38.4534, 67.0445,
27.1338

■ 35.7738, 65.7791,
21.8584

■ 42.1051, 68.7886,
33.6440

■ 33.9630, 64.9349,
17.7350


■ 46.8086, 71.0454,
41.4560


■ 32.8983, 64.4527,
14.6772

■ 52.6410, 73.8549,
50.6370

■ 32.6758, 64.3534,
13.9694

■ 59.6705, 77.2511,
61.2486

 67.9598, 81.2652,
73.3484

 77.5672, 85.9260,
86.9909

 88.5474, 91.2606,
102.2278

 91.3419, 92.5838,
107.6640

Harmonies

Analogous

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



49.9455, 67.0445, 13.0235



38.4534, 67.0445, 27.1338



33.8155, 67.0445, 62.6569

Triad

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



38.4534, 67.0445, 27.1338



60.0017, 67.0445, 234.7356



103.3276, 67.0445, 38.0817

Complementary

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



38.4534, 67.0445, 27.1338



51.2180, 29.3473, 62.6415

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.



107.4926, 67.0445, 84.4232



38.4534, 67.0445, 27.1338



79.8282, 67.0445, 216.6409

Square

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



38.4534, 67.0445, 27.1338



44.5609, 67.0445, 194.9513



98.1751, 67.0445, 153.4512



87.7171, 67.0445, 16.7826

Rectangle

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



38.4534, 67.0445, 27.1338



34.4065, 67.0445, 101.5033



98.1751, 67.0445, 153.4512



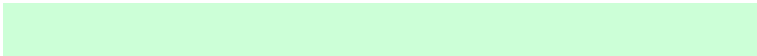
106.2273, 67.0445, 50.4049

Sweetspot

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



38.4550, 67.0473, 27.1353



72.9213, 89.2612, 77.6429



60.1934, 78.4440, 19.5585



15.0451, 18.8329, 15.7983



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.



38.4550, 67.0473, 27.1353



39.1819, 73.0465, 22.8143



45.1096, 69.7091, 62.1777



16.4278, 18.5303, 18.2712



17.9731, 35.3341, 7.8779



1.6161, 3.1201, 0.8842

Inverse Universe

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



51.2180, 29.3473, 62.6415



54.2062, 28.3406, 64.3696



43.7884, 26.3755, 23.5180



17.0523, 16.7038, 20.0221



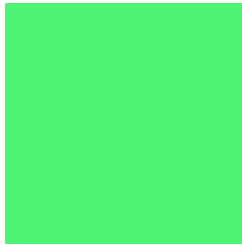
25.4883, 12.5388, 28.3436



2.2772, 1.1168, 2.6861

Previews

White Background



This preview shows how the XYZ color 38.4534, 67.0445, 27.1338 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 38.4534, 67.0445, 27.1338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

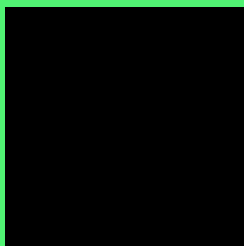
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

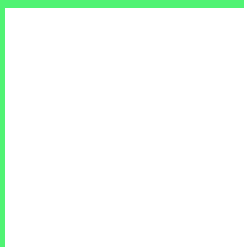
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4534, 67.0445, 27.1338

Background



This preview shows how black text looks on a background with the XYZ color 38.4534, 67.0445, 27.1338.

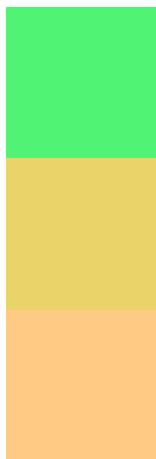


This preview shows how white text looks on a background with the XYZ color 38.4534, 67.0445,

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

38.4534, 67.0445, 27.1338

Protanopia

60.0250, 65.5993, 22.8629

Deuteranopia

66.7608, 65.6378, 30.9805



Tritanopia

52.5535, 66.7471, 98.1093

Trichromacy



Original Color

38.4534, 67.0445, 27.1338



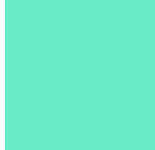
Protanomaly

47.5081, 63.3445, 24.1908



Deuteranomaly

50.3232, 62.7255, 29.1936



Tritanomaly

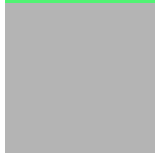
45.5573, 65.9724, 64.3657

Monochromacy



Original Color

38.4534, 67.0445, 27.1338



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.8583, 51.0415, 39.2564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4534, 67.0445, 27.1338 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(80, 243, 115)` looks like.

```
.text, #text, p{  
    color:rgb(80, 243, 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(80, 243, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 243, 115) }
```

Border

The CSS property to change the border of an element to XYZ 38.4534, 67.0445, 27.1338 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(80, 243, 115) }
```


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

```
.border{ border-color:rgb(80, 243, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 243, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 243, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 243, 115);  
box-shadow:4px 4px 4px 4px rgb(80, 243,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4534, 67.0445, 27.1338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 243, 115) }
```

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

```
.background{ background-color: rgb(80, 243,  
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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