

Converting Colors

XYZ(37.4047, 68.3323, 26.1795)

Have a look what the booklet for
XYZ(37.4047, 68.3323, 26.1795)
contains.

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Color

**XYZ(37.3966, 68.3222,
26.2554)**

Conversions

Conversions Part 1

Format	Color
Hex	31F76F
RGB	49, 247, 111
RGB Percent	19%, 97%, 44%
CMY	0.8078, 0.0314, 0.5647
CMYK	0.80, 0.00, 0.55, 0.03
HSL	139°, 93%, 58%
HSV	139°, 80%, 97%
XYZ	37.3966, 68.3222, 26.2554
YIQ	172.2940, -74.3520, -84.2720

Conversions

Conversions Part 2

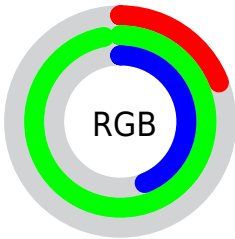
Format	Color
R _{YB}	49, 200, 247
Decimal	3274607
CIE Lab	86.17, -73.99, 51.67
CIE LCh	86, 90.247, 145.076
Yxy	68.3222, 0.2834, 0.5177
Android (android.graphics.Color)	4281464687 (0xFF31F76F)
YUV	172.2940, -30.2179, -108.1288
Hunter-Lab	82.6572, -63.8915, 39.0271

Details

The XYZ color **37.3966, 68.3222, 26.2554** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **48.2150, 25.4747, 48.2764**, and the grayscale version is **39.5386, 41.5977, 45.2998**.

A 20% lighter version of the original color is **51.5450, 78.8624, 48.5816**, and **18.9613, 36.7007, 10.0876** is the 20% darker color. If you saturate the color by 10%, you get **35.6681, 67.5309, 21.7535**, and if you desaturate by 10%, it is **39.9576, 69.5260, 31.7255**.

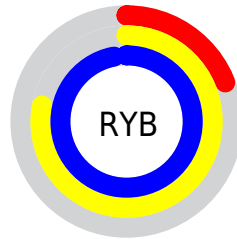
Distribution



Red (19%)

Green (97%)

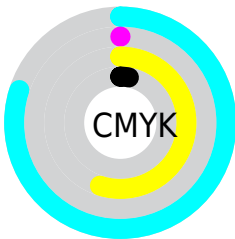
Blue (44%)



Red (19%)

Yellow (78%)

Blue (97%)

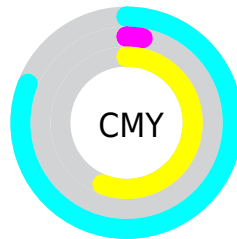


Cyan (80%)

Magenta (0%)

Yellow (55%)

Black (3%)



Cyan (81%)


Magenta (3%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3966, 68.3222, 26.2554 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 37.3966, 68.3222, 26.2554 by changing the saturation by 10% instead.


 37.3966, 68.3222,
26.2554


 37.3966, 68.3222,
26.2554


326.3502,
454.6367, 297.6789


 25.6898, 50.1599,
16.7873


 70.4922, 116.8130,
54.6758


 16.7232, 35.5405,
9.9226


 92.6117, 147.9102,
74.4652

 10.1314, 24.0795,
5.2428


 118.9329,
184.0879, 98.5322

 5.5491, 15.3926,
2.3292

 149.8210,
225.7304, 127.2952

 2.6109, 9.0954,
0.7475

185.6414,
273.2222, 161.1729

 0.9515, 4.8035,
0.0000

226.7595,

 0.0000, 2.1324,

326.9475, 200.5836

0.0000

273.5407,
387.2909, 245.9461

0.0000, 0.6828,
0.0000

0.0000, 0.0000,
0.0000

37.3966, 68.3222,
26.2554

37.3966, 68.3222,
26.2554

35.6681, 67.5309,
21.7535


39.9576, 69.5260,
31.7255


34.6139, 67.0649,
18.2059


43.4486, 71.1857,
38.2122


47.9581, 73.3479,
45.7663


53.5626, 76.0511,
54.4337

 60.3311, 79.3299,
64.2573

 68.3264, 83.2161,
75.2781

 77.6072, 87.7388,
87.5347

 88.2279, 92.9255,
101.0641

 92.5521, 95.0042,
108.0674

Harmonies

Analogous

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



49.4451, 68.3222, 11.4530



37.3966, 68.3222, 26.2554



32.7306, 68.3222, 65.0017

Triad

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



37.3966, 68.3222, 26.2554



61.5710, 68.3222, 256.3472



108.2262, 68.3222, 35.6935

Complementary

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



37.3966, 68.3222, 26.2554



48.2150, 25.4747, 48.2764

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.



113.3883, 68.3222, 84.6442



37.3966, 68.3222, 26.2554



83.3704, 68.3222, 233.4428

Square

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



37.3966, 68.3222, 26.2554



44.6588, 68.3222, 213.0310



103.4799, 68.3222, 160.9253



90.5806, 68.3222, 14.5101

Rectangle

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



37.3966, 68.3222, 26.2554



33.5137, 68.3222, 108.2685



103.4799, 68.3222, 160.9253



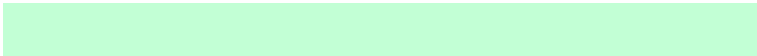
111.6189, 68.3222, 48.4395

Sweetspot

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



37.3983, 68.3250, 26.2570



69.9625, 87.7652, 76.1797



54.4581, 77.3871, 14.9729



14.3252, 18.4697, 15.4072



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.



37.3983, 68.3250, 26.2570



37.6021, 72.2716, 20.9539



45.8408, 71.7020, 70.7145



16.4959, 18.5575, 18.6300



18.3617, 35.4895, 9.9242



1.6582, 3.1369, 1.1062

Inverse Universe

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



48.2150, 25.4747, 48.2764



49.4212, 24.7096, 44.4656



41.2442, 22.6864, 11.5690



16.9798, 16.6748, 19.6404



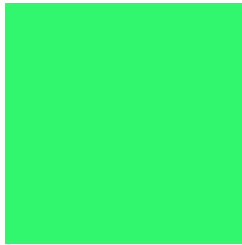
24.1732, 12.0127, 21.4183



2.1708, 1.0743, 2.1259

Previews

White Background



This preview shows how the XYZ color 37.3966, 68.3222, 26.2554 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 37.3966, 68.3222, 26.2554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

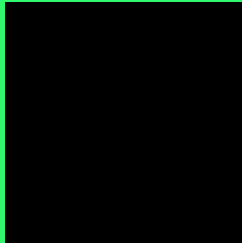
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3966, 68.3222, 26.2554

Background



This preview shows how black text looks on a background with the XYZ color 37.3966, 68.3222, 26.2554.

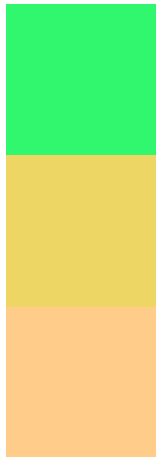


This preview shows how white text looks on a background with the XYZ color 37.3966, 68.3222,

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

37.3966, 68.3222, 26.2554

Protanopia

61.2719, 67.0178, 21.7629

Deuteranopia

67.5867, 66.7288, 32.9847



Tritanopia

52.2131, 67.7424, 101.5905

Trichromacy



Original Color

37.3966, 68.3222, 26.2554



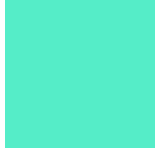
Protanomaly

46.0572, 63.8272, 22.9891



Deuteranomaly

48.3119, 62.4482, 29.9295



Tritanomaly

44.4558, 66.6698, 65.1691

Monochromacy



Original Color

37.3966, 68.3222, 26.2554



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.6808, 47.5609, 36.2065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3966, 68.3222, 26.2554 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(49, 247, 111)` looks like.

```
.text, #text, p{  
    color:rgb(49, 247, 111)  
}
```

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(49, 247, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 247, 111) }
```

Border

The CSS property to change the border of an element to XYZ 37.3966, 68.3222, 26.2554 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(49, 247, 111) }
```


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

```
.border{ border-color:rgb(49, 247, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 247, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 247, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 247, 111);  
box-shadow:4px 4px 4px 4px rgb(49, 247,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3966, 68.3222, 26.2554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 247, 111) }
```

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

```
.background{ background-color: rgb(49, 247,  
111) }
```

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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