

Converting Colors

XYZ(37.9287, 68.7197, 28.3810)

Have a look what the booklet for
XYZ(37.9287, 68.7197, 28.3810)
contains.

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Color

**XYZ(37.7974, 68.4825,
28.3659)**

Conversions

Conversions Part 1

Format	Color
Hex	31F776
RGB	49, 247, 118
RGB Percent	19%, 97%, 46%
CMY	0.8078, 0.0314, 0.5372
CMYK	0.80, 0.00, 0.52, 0.03
HSL	141°, 93%, 58%
HSV	141°, 80%, 97%
XYZ	37.7974, 68.4825, 28.3659
YIQ	173.0920, -76.5990, -82.0950

Conversions

Conversions Part 2

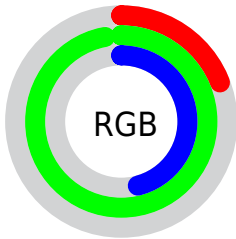
Format	Color
R_{YB}	49, 196, 247
Decimal	3274614
CIE _{Lab}	86.25, -73.03, 48.55
CIE _{LCh}	86, 87.701, 146.384
Yxy	68.4825, 0.2807, 0.5086
Android (android.graphics.Color)	4281464694 (0xFF31F776)
YUV	173.0920, -27.1604, -108.8287
Hunter-Lab	82.7542, -63.2911, 37.6049

Details

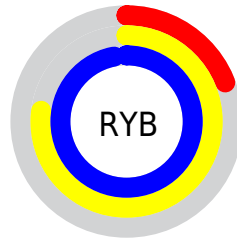
The XYZ color **37.7974, 68.4825, 28.3659** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **47.4940, 25.1863, 44.4797**, and the grayscale version is **39.9313, 42.0108, 45.7498**.

A 20% lighter version of the original color is **52.1085, 79.0878, 51.5488**, and **19.1517, 36.7768, 11.0903** is the 20% darker color. If you saturate the color by 10%, you get **36.0399, 67.6796, 23.7112**, and if you desaturate by 10%, it is **40.3732, 69.6922, 33.9136**.

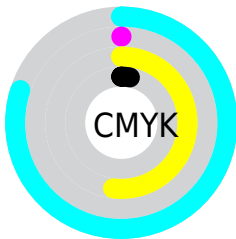
Distribution



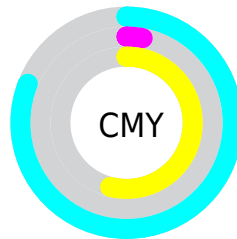
- Red (19%)
- Green (97%)
- Blue (46%)



- Red (19%)
- Yellow (77%)
- Blue (97%)



- Cyan (80%)
- Magenta (0%)
- Yellow (52%)
- Black (3%)




- Cyan (81%)
- Magenta (3%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7974, 68.4825, 28.3659 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 37.7974, 68.4825, 28.3659 by changing the saturation by 10% instead.


 37.7974, 68.4825,
28.3659


 37.7974, 68.4825,
28.3659


328.0460,
455.2036, 308.1780


 26.0020, 50.2904,
18.3602


 71.1034, 117.0421,
58.0982


 16.9578, 35.6442,
11.0368


 93.3447, 148.1784,
78.6619

 10.2995, 24.1595,
5.9771


 119.7987,
184.3982, 103.5820

 5.6618, 15.4520,
2.7626

 150.8307,
226.0859, 133.2771

 2.6792, 9.1372,
0.9747

186.8060,
273.6259, 168.1657

 0.9865, 4.8308,
0.0000

228.0901,

 0.0000, 2.1483,

327.4026, 208.6664

0.0000

275.0483,
387.8004, 255.1976

0.0000, 0.6916,
0.0000

0.0000, 0.0000,
0.0000

37.7974, 68.4825,
28.3659

37.7974, 68.4825,
28.3659

36.0399, 67.6796,
23.7112


40.3732, 69.6922,
33.9136


34.9449, 67.1973,
19.9490


43.8631, 71.3515,
40.3944


48.3542, 73.5063,
47.8517


53.9218, 76.1948,
56.3242

 60.6335, 79.4509,
65.8489

 68.5512, 83.3060,
76.4605

 77.7323, 87.7888,
88.1923

 88.2305, 92.9265,
101.0761

 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.



49.3049, 68.4825, 12.7015



37.7974, 68.4825, 28.3659



33.5020, 68.4825, 67.7645

Triad

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



37.7974, 68.4825, 28.3659



62.6703, 68.4825, 249.8987



106.4751, 68.4825, 35.2396

Complementary

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



37.7974, 68.4825, 28.3659



47.4940, 25.1863, 44.4797

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.



112.0825, 68.4825, 81.8076



37.7974, 68.4825, 28.3659



83.9302, 68.4825, 225.2904

Square

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



37.7974, 68.4825, 28.3659



45.8608, 68.4825, 210.9366



103.1086, 68.4825, 154.7037



89.0604, 68.4825, 14.9829

Rectangle

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



37.7974, 68.4825, 28.3659



34.4749, 68.4825, 110.5669



103.1086, 68.4825, 154.7037



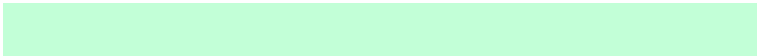
109.9407, 68.4825, 47.3743

Sweetspot

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



37.7991, 68.4853, 28.3675



70.2389, 87.8757, 77.6355



52.8735, 76.5702, 14.8989



14.3906, 18.4958, 15.7518



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.



37.7991, 68.4853, 28.3675



37.9765, 72.4213, 22.9254



46.6670, 72.0325, 75.0651



16.5206, 18.5674, 18.7600



18.5409, 35.5612, 10.8682



1.6762, 3.1442, 1.2010

Inverse Universe

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



47.4940, 25.1863, 44.4797



48.5772, 24.3720, 40.0210



40.9809, 22.5811, 10.1820



16.9540, 16.6645, 19.5045



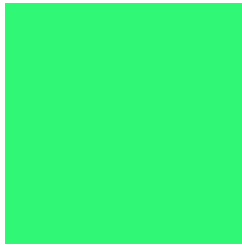
23.7545, 11.8452, 19.2135



2.1362, 1.0605, 1.9437

Previews

White Background



This preview shows how the XYZ color 37.7974, 68.4825, 28.3659 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 37.7974, 68.4825, 28.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

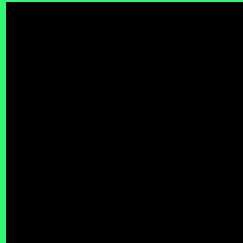
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7974, 68.4825, 28.3659

Background



This preview shows how black text looks on a background with the XYZ color 37.7974, 68.4825, 28.3659.

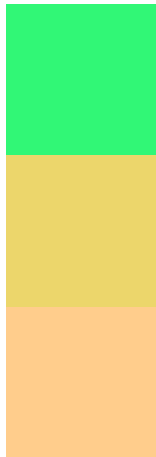


This preview shows how white text looks on a background with the XYZ color 37.7974, 68.4825,

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

37.7974, 68.4825, 28.3659

Protanopia

61.2925, 66.9875, 23.6093

Deuteranopia

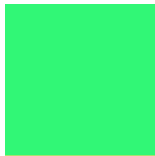
67.8049, 66.8161, 34.1340



Tritanopia

52.3772, 68.2461, 101.6790

Trichromacy



Original Color

37.7974, 68.4825, 28.3659



Protanomaly

46.2140, 63.8652, 24.9304



Deuteranomaly

48.5804, 62.5556, 31.3438



Tritanomaly

45.1003, 67.3922, 67.1309

Monochromacy



Original Color

37.7974, 68.4825, 28.3659



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.3061, 48.1977, 37.5792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7974, 68.4825, 28.3659 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(49, 247, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 247, 118) }
```

Border

The CSS property to change the border of an element to XYZ 37.7974, 68.4825, 28.3659 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, 118) }
```


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

```
.border{ border-color:rgb(49, 247, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 247, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 247, 118);  
box-shadow:4px 4px 4px 4px rgb(49, 247,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7974, 68.4825, 28.3659 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, 118) }
```

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

```
.background{ background-color: rgb(49, 247,  
118) }
```

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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