

Converting Colors

XYZ(37.2277, 64.7048, 38.0699)

Have a look what the booklet for
XYZ(37.2277, 64.7048, 38.0699)
contains.

XYZ(37.3410, 64.8982, 38.1623)	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(37.3410, 64.8982,
38.1623)**

Conversions

Conversions Part 1

Format	Color
Hex	29F093
RGB	41, 240, 147
RGB Percent	16%, 94%, 58%
CMY	0.8392, 0.0588, 0.4235
CMYK	0.83, 0.00, 0.39, 0.06
HSL	152°, 87%, 55%
HSV	152°, 83%, 94%
XYZ	37.3410, 64.8982, 38.1623
YIQ	169.8970, -88.7510, -71.1110

Conversions

Conversions Part 2

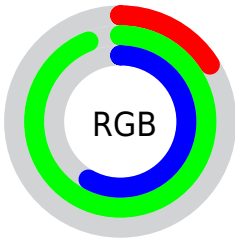
Format	Color
RYB	41, 171, 240
Decimal	2748563
CIELab	84.43, -66.69, 32.15
CIELCh	84, 74.035, 154.266
Yxy	64.8982, 0.2660, 0.4622
Android (android.graphics.Color)	4280938643 (0xFF29F093)
YUV	169.8970, -11.2882, -113.0427
Hunter-Lab	80.5594, -58.2404, 28.3050

Details

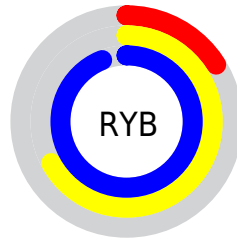
The XYZ color **37.3410, 64.8982, 38.1623** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **41.0334, 21.8338, 24.6088**, and the grayscale version is **38.2452, 40.2369, 43.8180**.

A 20% lighter version of the original color is **54.4467, 79.9218, 68.4339**, and **18.7935, 34.2821, 16.4531** is the 20% darker color. If you saturate the color by 10%, you get **35.8213, 64.2133, 33.7193**, and if you desaturate by 10%, it is **39.5322, 65.9228, 43.0876**.

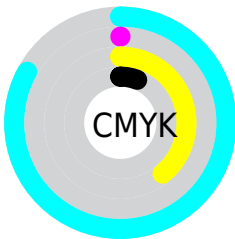
Distribution



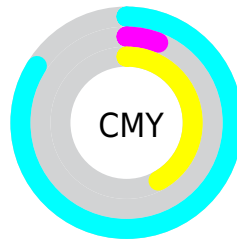
- Red (16%)
- Green (94%)
- Blue (58%)



- Red (16%)
- Yellow (67%)
- Blue (94%)



- Cyan (83%)
- Magenta (0%)
- Yellow (39%)
- Black (6%)





- Cyan (84%)
- Magenta (6%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3410, 64.8982, 38.1623 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 37.3410, 64.8982, 38.1623 by changing the saturation by 10% instead.


 37.3410, 64.8982,
38.1623


 37.3410, 64.8982,
38.1623


326.1145,
442.4261, 353.6347


 25.6465, 47.3785,
25.8059


 70.4074, 111.9035,
73.5630


 16.6907, 33.3350,
16.4540


 92.5099, 142.1579,
97.4444


 10.1081, 22.3832,
9.6882

 118.8126,
177.4260, 126.0045

 5.5335, 14.1387,
5.0898

 149.6807,
218.0923, 159.6618

 2.6015, 8.2172,
2.2404

 185.4796,
264.5410, 198.8350

 0.9467, 4.2343,
0.6975

226.5746,

 0.0000, 1.8054,

317.1566, 243.9425

0.0000

273.3311,
376.3235, 295.4029

■ 0.0000, 0.4906,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3410, 64.8982,
38.1623

■ 37.3410, 64.8982,
38.1623

■ 35.8213, 64.2133,
33.7193


■ 39.5322, 65.9228,
43.0876


■ 35.0469, 63.8768,
30.8486


■ 42.4842, 67.3278,
48.5074


■ 46.2772, 69.1557,
54.4386


■ 50.9791, 71.4416,
60.8958

 56.6506, 74.2164,
67.8928

 63.3472, 77.5085,
75.4427

 71.1199, 81.3438,
83.5582

 80.0161, 85.7468,
92.2516

 89.3371, 90.3569,
101.4998

Harmonies

Analogous

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



45.5254, 64.8982, 19.1073



37.3410, 64.8982, 38.1623



35.1998, 64.8982, 77.6222

Triad

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



37.3410, 64.8982, 38.1623



64.0681, 64.8982, 205.0671



91.7100, 64.8982, 30.9298

Complementary

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



37.3410, 64.8982, 38.1623



41.0334, 21.8338, 24.6088

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.



98.9332, 64.8982, 64.1329



37.3410, 64.8982, 38.1623



81.2739, 64.8982, 175.1557

Square

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



37.3410, 64.8982, 38.1623



48.9374, 64.8982, 187.7971



94.8111, 64.8982, 117.7759



76.4710, 64.8982, 16.4243

Rectangle

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



37.3410, 64.8982, 38.1623



37.0963, 64.8982, 114.8420



94.8111, 64.8982, 117.7759



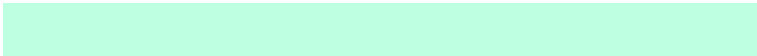
95.2682, 64.8982, 39.5751

Sweetspot

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



37.3427, 64.9008, 38.1638



70.9276, 88.0763, 84.6441



41.9091, 67.8170, 12.9796



14.5920, 18.5621, 17.4585



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.



37.3427, 64.9008, 38.1638



40.3085, 73.3431, 35.7057



46.8373, 67.1506, 92.9340



15.9178, 17.7972, 18.5902



19.2524, 34.9930, 17.2441



1.6519, 2.9312, 1.6991

Inverse Universe

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



41.0334, 21.8338, 24.6088



44.6903, 22.6844, 19.9623



37.2497, 20.5116, 4.0943



16.0802, 15.8818, 17.9787



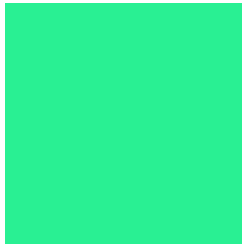
21.3434, 10.8098, 9.7246



1.8254, 0.9192, 1.0713

Previews

White Background



This preview shows how the XYZ color 37.3410, 64.8982, 38.1623 looks on a white background.

Color Contrast Check

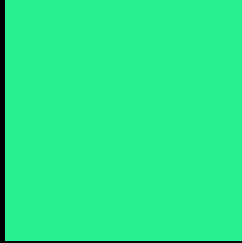
Large Text (above 18pt) WCAG AA × Fail

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 37.3410, 64.8982, 38.1623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

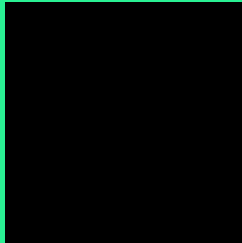
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3410, 64.8982, 38.1623

Background



This preview shows how black text looks on a background with the XYZ color 37.3410, 64.8982, 38.1623.

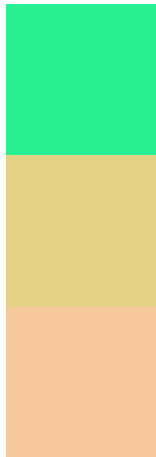


This preview shows how white text looks on a background with the XYZ color 37.3410, 64.8982,

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

37.3410, 64.8982, 38.1623

Protanopia

58.7821, 63.6531, 31.7424

Deuteranopia

64.6611, 63.3017, 40.2629



Tritanopia

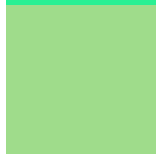
49.1480, 64.5819, 97.8709

Trichromacy



Original Color

37.3410, 64.8982, 38.1623



Protanomaly

44.5515, 60.4214, 33.7405



Deuteranomaly

46.8448, 59.5587, 39.1640



Tritanomaly

43.5161, 63.9122, 71.6708

Monochromacy



Original Color

37.3410, 64.8982, 38.1623



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.2051, 45.8498, 41.2295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3410, 64.8982, 38.1623 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(41, 240, 147)` looks like.

```
.text, #text, p{  
    color:rgb(41, 240, 147)  
}
```

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(41, 240, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 240, 147) }
```

Border

The CSS property to change the border of an element to XYZ 37.3410, 64.8982, 38.1623 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(41, 240, 147) }
```


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

```
.border{ border-color:rgb(41, 240, 147) }
```

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

Here you see how a box with a 4 pixel rgb(41, 240, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 240, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 240, 147);  
box-shadow:4px 4px 4px 4px rgb(41, 240,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3410, 64.8982, 38.1623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 240, 147) }
```

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

```
.background{ background-color: rgb(41, 240,  
147) }
```

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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