

Converting Colors

XYZ(34.1575, 64.0858, 41.3391)

Have a look what the booklet for
XYZ(34.1575, 64.0858, 41.3391)
contains.

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Color

**XYZ(37.5849, 65.8374,
41.2988)**

Conversions

Conversions Part 1

Format	Color
Hex	00F29A
RGB	0, 242, 154
RGB Percent	0%, 95%, 60%
CMY	0.9999, 0.0510, 0.3961
CMYK	1.00, 0.00, 0.36, 0.05
HSL	158°, 100%, 47%
HSV	158°, 100%, 95%
XYZ	37.5849, 65.8374, 41.2988
YIQ	159.6100, -115.9840, -78.6720

Conversions

Conversions Part 2

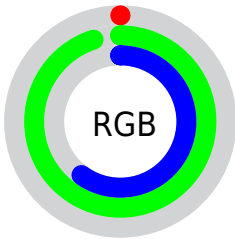
Format	Color
RYB	0, 148, 242
Decimal	62106
CIELab	84.91, -67.98, 29.22
CIELCh	85, 73.988, 156.742
Yxy	65.8374, 0.2597, 0.4549
Android (android.graphics.Color)	4278252186 (0xFF00F29A)
YUV	159.6100, -2.7657, -139.9780
Hunter-Lab	81.1402, -59.3126, 26.6207

Details

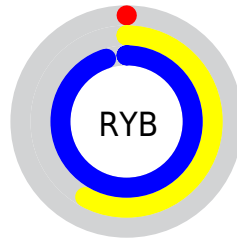
The XYZ color **37.5849, 65.8374, 41.2988** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **38.3822, 19.5836, 10.9956**, and the grayscale version is **33.2891, 35.0228, 38.1398**.

A 20% lighter version of the original color is **53.9507, 79.5682, 72.8363**, and **19.5388, 35.2403, 18.3426** is the 20% darker color. If you saturate the color by 10%, you get **37.5855, 65.8395, 41.2961**, and if you desaturate by 10%, it is **38.7287, 66.3410, 45.3220**.

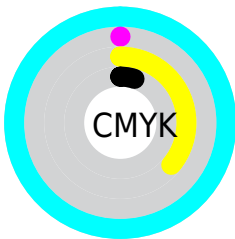
Distribution



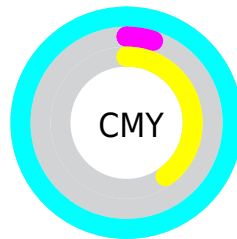
- Red (0%)
- Green (95%)
- Blue (60%)



- Red (0%)
- Yellow (58%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (5%)



- Cyan (100%)
- Magenta (5%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5849, 65.8374, 41.2988 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 37.5849, 65.8374, 41.2988 by changing the saturation by 10% instead.

37.5849, 65.8374,
41.2988

37.5849, 65.8374,
41.2988

327.1477,
445.7951, 367.2815

25.8364, 48.1404,
28.2312

70.7795, 113.2529,
78.3959

16.8333, 33.9381,
18.2594

92.9563, 143.7403,
103.2624

10.2103, 22.8461,
10.9650

119.3399,
179.2598, 132.8990

5.6020, 14.4799,
5.9295

150.2957,
220.1961, 167.7241

2.6429, 8.4552,
2.7341

186.1890,
266.9333, 208.1564

0.9679, 4.3876,
0.9605

227.3852,

0.0000, 1.8926,

319.8560, 254.6144

0.0000

274.2496,
379.3484, 307.5165

■ 0.0000, 0.5439,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5849, 65.8374,
41.2988

■ 37.5849, 65.8374,
41.2988

■ 37.5855, 65.8395,
41.2961

■ 38.7287, 66.3410,
45.3220

■ 40.4010, 67.1089,
49.6549

■ 42.7525, 68.2205,
54.3117

■ 45.8726, 69.7217,
59.3019

■ 49.8364, 71.6512,
64.6344

■ 54.7099, 74.0429,
70.3174

■ 60.5520, 76.9269,
76.3588

■ 67.4169, 80.3312,
82.7661

■ 75.3543, 84.2812,
89.5463

Harmonies

Analogous

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



45.3518, 65.8374, 20.5381



37.5849, 65.8374, 41.2988



35.9201, 65.8374, 82.9677

Triad

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



37.5849, 65.8374, 41.2988



66.4009, 65.8374, 206.2572



91.8112, 65.8374, 29.7146

Complementary

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



37.5849, 65.8374, 41.2988



38.3822, 19.5836, 10.9956

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.



99.9463, 65.8374, 61.4759



37.5849, 65.8374, 41.2988



83.6887, 65.8374, 172.7777

Square

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



37.5849, 65.8374, 41.2988



50.7954, 65.8374, 192.8067



96.7375, 65.8374, 114.1998



76.0513, 65.8374, 16.2163

Rectangle

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



37.5849, 65.8374, 41.2988



38.1722, 65.8374, 121.2139



96.7375, 65.8374, 114.1998



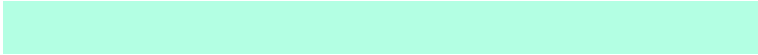
95.6444, 65.8374, 37.9064

Sweetspot

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



37.5866, 65.8400, 41.3003



68.1249, 86.6002, 85.9274



35.8495, 65.6183, 10.7769



13.9577, 18.2276, 17.7660



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.



37.5866, 65.8400, 41.3003



42.3050, 74.1380, 46.3853



39.0105, 52.3763, 92.0612



15.9892, 17.8257, 18.9663



20.2584, 35.3954, 22.5412



1.7329, 2.9636, 2.1257

Inverse Universe

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



38.3822, 19.5836, 10.9956



43.2042, 22.0457, 12.2732



37.1438, 19.9267, 1.8893



16.0104, 15.8539, 17.6109



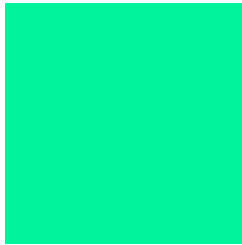
20.6777, 10.5435, 6.2195



1.7664, 0.8956, 0.7605

Previews

White Background



This preview shows how the XYZ color 37.5849, 65.8374, 41.2988 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 37.5849, 65.8374, 41.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

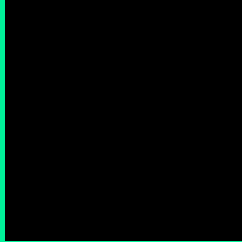
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5849, 65.8374, 41.2988

Background



This preview shows how black text looks on a background with the XYZ color 37.5849, 65.8374, 41.2988.

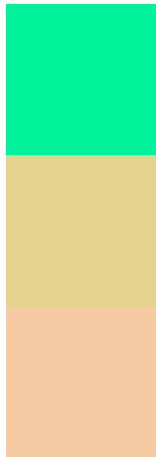


This preview shows how white text looks on a background with the XYZ color 37.5849, 65.8374,

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

37.5849, 65.8374, 41.2988

Protanopia

59.8492, 64.5103, 34.4966

Deuteranopia

65.7374, 64.4782, 43.6311



Tritanopia

49.2334, 65.4116, 99.6534

Trichromacy



Original Color

37.5849, 65.8374, 41.2988



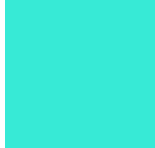
Protanomaly

42.9866, 60.3376, 36.5748



Deuteranomaly

45.0626, 59.3319, 42.3349



Tritanomaly

43.1360, 64.5129, 73.7971

Monochromacy



Original Color

37.5849, 65.8374, 41.2988



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.0645, 42.1203, 38.8932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5849, 65.8374, 41.2988 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(0, 242, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 154)  
}
```

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(0, 242, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 154) }
```

Border

The CSS property to change the border of an element to XYZ 37.5849, 65.8374, 41.2988 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(0, 242, 154) }
```


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

```
.border{ border-color:rgb(0, 242, 154) }
```

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

Here you see how a box with a 4 pixel rgb(0, 242, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5849, 65.8374, 41.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 154) }
```

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

```
.background{ background-color: rgb(0, 242,  
154) }
```

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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