

Converting Colors

XYZ(28.2446, 56.2633, 34.4477)

Have a look what the booklet for
XYZ(28.2446, 56.2633, 34.4477)
contains.

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Color

**XYZ(33.3836, 59.0749,
34.8424)**

Conversions

Conversions Part 1

Format	Color
Hex	00E78D
RGB	0, 231, 141
RGB Percent	0%, 91%, 55%
CMY	0.9999, 0.0941, 0.4470
CMYK	1.00, 0.00, 0.39, 0.09
HSL	157°, 100%, 45%
HSV	157°, 100%, 91%
XYZ	33.3836, 59.0749, 34.8424
YIQ	151.6710, -108.7860, -76.9620

Conversions

Conversions Part 2

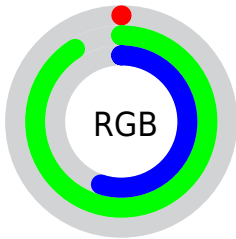
Format	Color
RYB	0, 143, 231
Decimal	59277
CIELab	81.33, -66.76, 31.02
CIELCh	81, 73.613, 155.080
Yxy	59.0749, 0.2622, 0.4641
Android (android.graphics.Color)	4278249357 (0xFF00E78D)
YUV	151.6710, -5.2608, -133.0155
Hunter-Lab	76.8602, -56.9753, 26.9247

Details

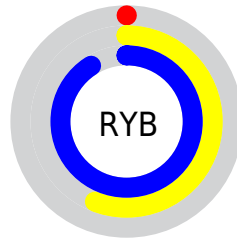
The XYZ color **33.3836, 59.0749, 34.8424** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **34.8027, 17.7285, 11.2647**, and the grayscale version is **29.7618, 31.3117, 34.0985**.

A 20% lighter version of the original color is **51.9170, 78.7113, 64.0863**, and **16.9815, 31.0103, 14.7634** is the 20% darker color. If you saturate the color by 10%, you get **33.3844, 59.0769, 34.8411**, and if you desaturate by 10%, it is **34.4383, 59.5397, 38.5328**.

Distribution



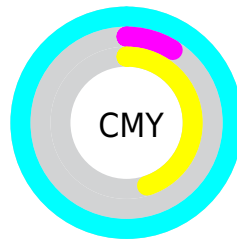
- Red (0%)
- Green (91%)
- Blue (55%)



- Red (0%)
- Yellow (56%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3836, 59.0749, 34.8424 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 33.3836, 59.0749, 34.8424 by changing the saturation by 10% instead.


 33.3836, 59.0749,
34.8424


 33.3836, 59.0749,
34.8424


309.0092,
421.1794, 338.7552


 22.5811, 42.6734,
23.2589


 64.3246, 103.4865,
68.3903


 14.4035, 29.6290,
14.5777


 85.1939, 132.2654,
91.1919


 8.4854, 19.5571,
8.3802


 110.1495,
165.9390, 118.5699

 4.4615, 12.0735,
4.2480

 139.5567,
204.8915, 150.9428

 1.9664, 6.7938,
1.7623

 173.7809,
249.5074, 188.7293

 0.6150, 3.3335,
0.4029

213.1875,

 0.0000, 1.3082,

300.1711, 232.3478

0.0000

258.1418,
357.2670, 282.2170

■ 0.0000, 0.1475,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3836, 59.0749,
34.8424

■ 33.3836, 59.0749,
34.8424

■ 33.3844, 59.0769,
34.8411

■ 34.4383, 59.5397,
38.5328

■ 35.9719, 60.2433,
42.5350

■ 38.1223, 61.2582,
46.8630

■ 40.9690, 62.6255,
51.5267

■ 44.5794, 64.3796,
56.5350

■ 49.0123, 66.5508,
61.8965

■ 54.3206, 69.1661,
67.6194

■ 60.5528, 72.2506,
73.7111

■ 67.7534, 75.8269,
80.1793

Harmonies

Analogous

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



40.8178, 59.0749, 16.9429



33.3836, 59.0749, 34.8424



31.5545, 59.0749, 72.1125

Triad

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



33.3836, 59.0749, 34.8424



58.8069, 59.0749, 190.8419



83.9755, 59.0749, 26.9083

Complementary

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



33.3836, 59.0749, 34.8424



34.8027, 17.7285, 11.2647

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.



91.0341, 59.0749, 57.1148



33.3836, 59.0749, 34.8424



74.9059, 59.0749, 161.4351

Square

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



33.3836, 59.0749, 34.8424



44.5934, 59.0749, 175.6765



87.4448, 59.0749, 106.9870



69.5459, 59.0749, 14.0459

Rectangle

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



33.3836, 59.0749, 34.8424



33.4082, 59.0749, 107.2877



87.4448, 59.0749, 106.9870



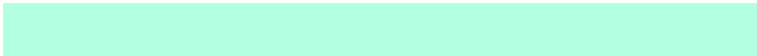
87.3980, 59.0749, 34.7004

Sweetspot

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



33.3851, 59.0773, 34.8438



67.8519, 86.4910, 84.4902



33.0320, 59.4506, 9.7347



13.8927, 18.2016, 17.4234



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.



33.3851, 59.0773, 34.8438



41.7305, 73.9082, 43.3600



36.9573, 50.8354, 83.4685



14.5571, 16.2363, 17.1983



18.7777, 33.1432, 19.8613



1.4328, 2.4673, 1.7059

Inverse Universe

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



34.8027, 17.7285, 11.2647



43.5093, 22.1677, 13.8799



33.2650, 17.6070, 1.6457



14.6083, 14.4605, 16.1378



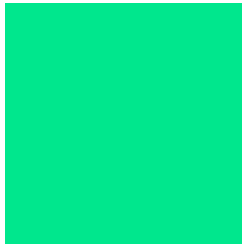
19.5664, 9.9608, 6.6116



1.4904, 0.7539, 0.7228

Previews

White Background



This preview shows how the XYZ color 33.3836, 59.0749, 34.8424 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 33.3836, 59.0749, 34.8424 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

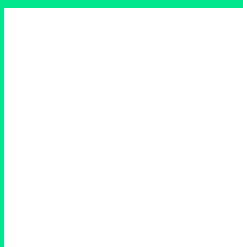
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3836, 59.0749, 34.8424

Background



This preview shows how black text looks on a background with the XYZ color 33.3836, 59.0749, 34.8424.

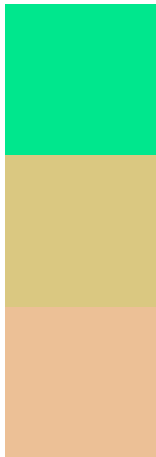


This preview shows how white text looks on a background with the XYZ color 33.3836, 59.0749,

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

33.3836, 59.0749, 34.8424

Protanopia

53.5302, 57.7990, 29.1039

Deuteranopia

58.9467, 57.7341, 36.8911



Tritanopia

44.4465, 59.1398, 89.1933

Trichromacy



Original Color

33.3836, 59.0749, 34.8424



Protanomaly

38.1754, 53.7710, 30.5571



Deuteranomaly

39.9154, 52.7332, 35.6785



Tritanomaly

38.7845, 58.3325, 65.0922

Monochromacy



Original Color

33.3836, 59.0749, 34.8424



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.7989, 37.7273, 33.8866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3836, 59.0749, 34.8424 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, 231, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 141)  
}
```

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, 231, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 141) }
```

Border

The CSS property to change the border of an element to XYZ 33.3836, 59.0749, 34.8424 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, 231, 141) }
```


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

```
.border{ border-color:rgb(0, 231, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3836, 59.0749, 34.8424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 141) }
```

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

```
.background{ background-color: rgb(0, 231,  
141) }
```

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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