

Converting Colors

XYZ(33.1421, 60.7944, 27.9713)

Have a look what the booklet for
XYZ(33.1421, 60.7944, 27.9713)
contains.

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Color

**XYZ(33.1595, 60.7971,
28.0765)**

Conversions

Conversions Part 1

Format	Color
Hex	00EB79
RGB	0, 235, 121
RGB Percent	0%, 92%, 47%
CMY	0.9999, 0.0784, 0.5255
CMYK	1.00, 0.00, 0.49, 0.08
HSL	151°, 100%, 46%
HSV	151°, 100%, 92%
XYZ	33.1595, 60.7971, 28.0765
YIQ	151.7390, -103.4660, -85.2740

Conversions

Conversions Part 2

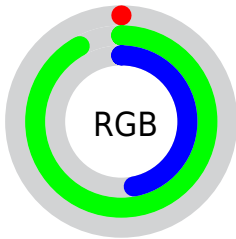
Format	Color
RYB	0, 155, 235
Decimal	60281
CIELab	82.27, -71.59, 42.13
CIELCh	82, 83.066, 149.522
Yxy	60.7971, 0.2717, 0.4982
Android (android.graphics.Color)	4278250361 (0xFF00EB79)
YUV	151.7390, -15.1543, -133.0751
Hunter-Lab	77.9725, -60.5409, 33.2315

Details

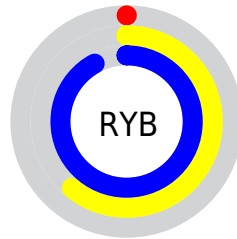
The XYZ color **33.1595, 60.7971, 28.0765** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **37.3005, 18.8784, 17.6020**, and the grayscale version is **29.8304, 31.3839, 34.1770**.

A 20% lighter version of the original color is **49.9283, 77.9301, 52.9680**, and **16.7963, 31.8740, 10.8973** is the 20% darker color. If you saturate the color by 10%, you get **33.1604, 60.7993, 28.0757**, and if you desaturate by 10%, it is **34.2673, 61.2842, 31.9980**.

Distribution



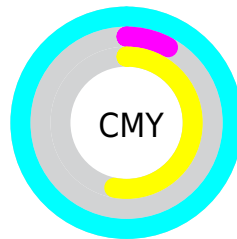
- Red (0%)
- Green (92%)
- Blue (47%)



- Red (0%)
- Yellow (61%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1595, 60.7971, 28.0765 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 33.1595, 60.7971, 28.0765 by changing the saturation by 10% instead.


 33.1595, 60.7971,
28.0765


 33.1595, 60.7971,
28.0765


308.0201,
427.5297, 306.7557


 22.4085, 44.0614,
18.1438


 63.9775, 105.9851,
57.6311


 14.2756, 30.7188,
10.8828


 84.7752, 135.2062,
78.0901


 8.3956, 20.3848,
5.8749


 109.6524,
169.3580, 102.8950

 4.4030, 12.6751,
2.7016

 138.9746,
208.8247, 132.4642

 1.9326, 7.2052,
0.9442

 173.1072,
253.9909, 167.2163

 0.5957, 3.5908,
0.0000

212.4153,

 0.0000, 1.4474,

305.2408, 207.5699

0.0000

257.2646,
362.9589, 253.9436

■ 0.0000, 0.2513,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1595, 60.7971,
28.0765

■ 33.1595, 60.7971,
28.0765

■ 33.1604, 60.7993,
28.0757

■ 34.2673, 61.2842,
31.9980

■ 35.9016, 62.0313,
36.3884

■ 38.2063, 63.1137,
41.2694

■ 41.2659, 64.5749,
46.6579

■ 45.1517, 66.4513,
52.5698

■ 49.9264, 68.7749,
59.0200

■ 55.6463, 71.5746,
66.0227

■ 62.3629, 74.8765,
73.5916

■ 70.1237, 78.7051,
81.7397

Harmonies

Analogous

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



42.6003, 60.7971, 12.4791



33.1595, 60.7971, 28.0765



30.0211, 60.7971, 65.3893

Triad

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



33.1595, 60.7971, 28.0765



57.5028, 60.7971, 219.0894



92.7038, 60.7971, 28.8777

Complementary

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



33.1595, 60.7971, 28.0765



37.3005, 18.8784, 17.6020

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.



98.8836, 60.7971, 67.0128



33.1595, 60.7971, 28.0765



76.2091, 60.7971, 192.2039

Square

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



33.1595, 60.7971, 28.0765



42.2009, 60.7971, 190.5565



92.3159, 60.7971, 128.8787



76.8010, 60.7971, 12.7479

Rectangle

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



33.1595, 60.7971, 28.0765



31.3012, 60.7971, 104.3559



92.3159, 60.7971, 128.8787



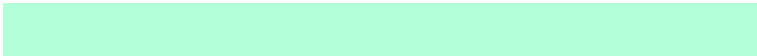
96.1154, 60.7971, 38.7008

Sweetspot

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



33.1610, 60.7996, 28.0779



66.8752, 86.1003, 79.3468



37.1142, 63.2362, 10.2501



13.6609, 18.1089, 16.2027



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.



33.1610, 60.7996, 28.0779



39.8765, 73.1666, 33.5974



44.7056, 65.4174, 88.8708



15.1921, 16.9917, 17.6945



18.5195, 33.8623, 15.9664



1.5028, 2.6784, 1.5097

Inverse Universe

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



37.3005, 18.8784, 17.6020



44.8597, 22.7079, 20.9909



34.2625, 17.6632, 1.6039



15.3699, 15.1758, 17.2334



20.8223, 10.5316, 10.1316



1.6835, 0.8464, 1.0507

Previews

White Background



This preview shows how the XYZ color 33.1595, 60.7971, 28.0765 looks on a white background.

Color Contrast Check

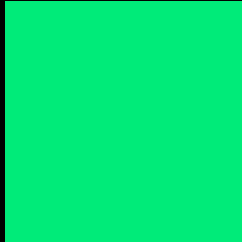
Large Text (above 18pt) WCAG AA × Fail

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 33.1595, 60.7971, 28.0765 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 33.1595, 60.7971, 28.0765

Background



This preview shows how black text looks on a background with the XYZ color 33.1595, 60.7971, 28.0765.

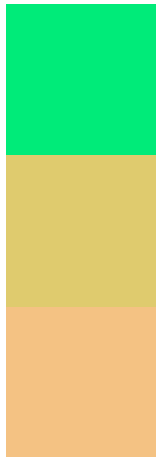


This preview shows how white text looks on a background with the XYZ color 33.1595, 60.7971,

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

33.1595, 60.7971, 28.0765

Protanopia

54.6018, 59.5256, 23.3636

Deuteranopia

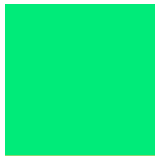
60.6967, 59.4554, 29.7497



Tritanopia

45.9693, 60.6577, 91.7233

Trichromacy



Original Color

33.1595, 60.7971, 28.0765



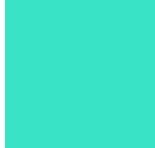
Protanomaly

38.4930, 55.5666, 24.6162



Deuteranomaly

40.1488, 54.1018, 28.4053



Tritanomaly

39.2345, 59.8392, 62.3056

Monochromacy



Original Color

33.1595, 60.7971, 28.0765



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.4654, 37.9204, 31.1238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1595, 60.7971, 28.0765 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, 235, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 121)  
}
```

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, 235, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 121) }
```

Border

The CSS property to change the border of an element to XYZ 33.1595, 60.7971, 28.0765 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, 235, 121) }
```


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

```
.border{ border-color:rgb(0, 235, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1595, 60.7971, 28.0765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 121) }
```

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

```
.background{ background-color: rgb(0, 235,  
121) }
```

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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