

Converting Colors

XYZ(32.4547, 58.0348, 32.0086)

Have a look what the booklet for
XYZ(32.4547, 58.0348, 32.0086)
contains.

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Color

**XYZ(32.5999, 58.3149,
32.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	00E686
RGB	0, 230, 134
RGB Percent	0%, 90%, 53%
CMY	0.9999, 0.0980, 0.4745
CMYK	1.00, 0.00, 0.42, 0.10
HSL	155°, 100%, 45%
HSV	155°, 100%, 90%
XYZ	32.5999, 58.3149, 32.0920
YIQ	150.2860, -106.2640, -78.6160

Conversions

Conversions Part 2

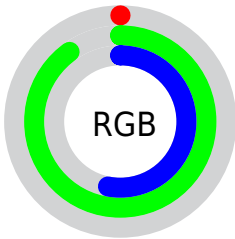
Format	Color
RYB	0, 145, 230
Decimal	59014
CIELab	80.91, -67.74, 33.99
CIELCh	81, 75.786, 153.350
Yxy	58.3149, 0.2650, 0.4741
Android (android.graphics.Color)	4278249094 (0xFF00E686)
YUV	150.2860, -8.0290, -131.8008
Hunter-Lab	76.3642, -57.4356, 28.5384

Details

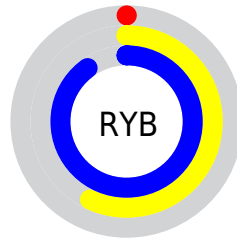
The XYZ color **32.5999, 58.3149, 32.0920** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **34.7467, 17.6689, 12.6497**, and the grayscale version is **29.1793, 30.6988, 33.4310**.

A 20% lighter version of the original color is **51.1438, 78.4021, 60.0145**, and **16.5049, 30.5117, 13.2031** is the 20% darker color. If you saturate the color by 10%, you get **32.6007, 58.3169, 32.0908**, and if you desaturate by 10%, it is **33.6554, 58.7797, 35.7988**.

Distribution



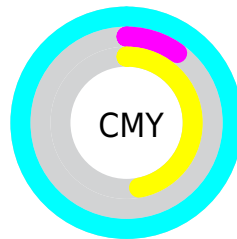
- Red (0%)
- Green (90%)
- Blue (53%)



- Red (0%)
- Yellow (57%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5999, 58.3149, 32.0920 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 32.5999, 58.3149, 32.0920 by changing the saturation by 10% instead.


 32.5999, 58.3149,
32.0920


 32.5999, 58.3149,
32.0920


305.5400,
418.3583, 326.0438


 21.9779, 42.0619,
21.1664


 63.1092, 102.3813,
64.0549


 13.9572, 29.1497,
13.0532


 83.7273, 130.9634,
85.9292


 8.1724, 19.1941,
7.3341


 108.4080,
164.4240, 112.2902

 4.2582, 11.8106,
3.5903

 137.5168,
203.1475, 143.5564

 1.8492, 6.6149,
1.4034

 171.4191,
247.5183, 180.1463

 0.5471, 3.2224,
0.1444

210.4801,

 0.0000, 1.2489,

297.9208, 222.4784

0.0000

255.0653,
354.7393, 270.9714

■ 0.0000, 0.1011,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.5999, 58.3149,
32.0920

■ 32.5999, 58.3149,
32.0920

■ 32.6007, 58.3169,
32.0908

■ 33.6554, 58.7797,
35.7988

■ 35.1921, 59.4837,
39.8523

■ 37.3468, 60.4990,
44.2680

■ 40.1988, 61.8662,
49.0571

■ 43.8148, 63.6196,
54.2302

■ 48.2533, 65.7891,
59.7969

■ 53.5669, 68.4018,
65.7665

■ 59.8037, 71.4822,
72.1481

■ 67.0083, 75.0532,
78.9502

Harmonies

Analogous

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



40.4412, 58.3149, 15.2154



32.5999, 58.3149, 32.0920



30.4360, 58.3149, 68.6787

Triad

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



32.5999, 58.3149, 32.0920



57.2082, 58.3149, 194.6901



84.6379, 58.3149, 26.8571

Complementary

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



32.5999, 58.3149, 32.0920



34.7467, 17.6689, 12.6497

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.



91.3258, 58.3149, 58.5789



32.5999, 58.3149, 32.0920



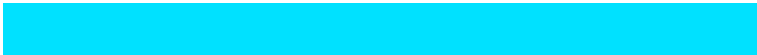
73.7202, 58.3149, 166.4603

Square

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



32.5999, 58.3149, 32.0920



42.9667, 58.3149, 176.2451



86.9971, 58.3149, 110.6654



70.0886, 58.3149, 13.3496

Rectangle

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



32.5999, 58.3149, 32.0920



32.0872, 58.3149, 104.2628



86.9971, 58.3149, 110.6654



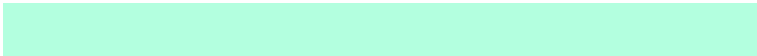
87.9924, 58.3149, 35.0389

Sweetspot

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



32.6014, 58.3172, 32.0933



67.5634, 86.3756, 82.9709



33.5180, 59.2868, 9.6774



13.8240, 18.1742, 17.0619



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.



32.6014, 58.3172, 32.0933



41.1496, 73.6758, 40.3012



38.5005, 54.1472, 83.2881



14.5397, 16.2293, 17.1067



18.5183, 33.0394, 18.4954



1.4145, 2.4599, 1.6093

Inverse Universe

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



34.7467, 17.6689, 12.6497



43.8646, 22.3098, 15.7508



32.8103, 17.1753, 1.5863



14.6253, 14.4673, 16.2271



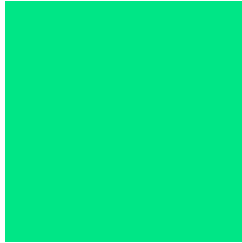
19.7283, 10.0255, 7.4642



1.5033, 0.7590, 0.7908

Previews

White Background



This preview shows how the XYZ color 32.5999, 58.3149, 32.0920 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 32.5999, 58.3149, 32.0920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

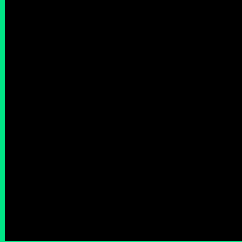
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.5999, 58.3149, 32.0920

Background



This preview shows how black text looks on a background with the XYZ color 32.5999, 58.3149, 32.0920.

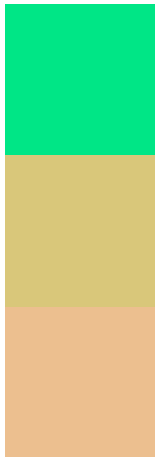


This preview shows how white text looks on a background with the XYZ color 32.5999, 58.3149,

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

32.5999, 58.3149, 32.0920

Protanopia

52.5515, 57.0037, 26.6454

Deuteranopia

58.1808, 57.0776, 33.9372



Tritanopia

43.8679, 58.0838, 88.2561

Trichromacy



Original Color

32.5999, 58.3149, 32.0920



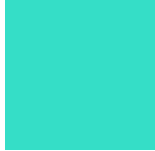
Protanomaly

37.2937, 53.0028, 28.0036



Deuteranomaly

39.1426, 52.0401, 32.7927



Tritanomaly

37.8983, 57.1230, 63.0612

Monochromacy



Original Color

32.5999, 58.3149, 32.0920



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.8735, 36.6867, 32.1031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5999, 58.3149, 32.0920 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, 230, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 134)  
}
```

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, 230, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 134) }
```

Border

The CSS property to change the border of an element to XYZ 32.5999, 58.3149, 32.0920 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, 230, 134) }
```


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

```
.border{ border-color:rgb(0, 230, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5999, 58.3149, 32.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 134) }
```

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

```
.background{ background-color: rgb(0, 230,  
134) }
```

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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