

Converting Colors

XYZ(32.3877, 58.0077, 31.6601)

Have a look what the booklet for
XYZ(32.3877, 58.0077, 31.6601)
contains.

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Color

**XYZ(32.5305, 58.2871,
31.7263)**

Conversions

Conversions Part 1

Format	Color
Hex	00E685
RGB	0, 230, 133
RGB Percent	0%, 90%, 52%
CMY	0.9999, 0.0980, 0.4784
CMYK	1.00, 0.00, 0.42, 0.10
HSL	155°, 100%, 45%
HSV	155°, 100%, 90%
XYZ	32.5305, 58.2871, 31.7263
YIQ	150.1720, -105.9430, -78.9270

Conversions

Conversions Part 2

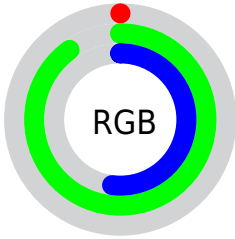
Format	Color
RYB	0, 146, 230
Decimal	59013
CIELab	80.90, -67.92, 34.47
CIELCh	81, 76.166, 153.088
Yxy	58.2871, 0.2655, 0.4756
Android (android.graphics.Color)	4278249093 (0xFF00E685)
YUV	150.1720, -8.4658, -131.7008
Hunter-Lab	76.3460, -57.5479, 28.8037

Details

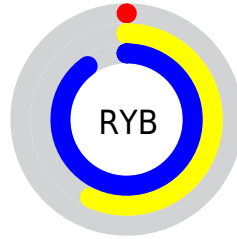
The XYZ color **32.5305, 58.2871, 31.7263** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **34.7934, 17.6876, 12.8952**, and the grayscale version is **29.1331, 30.6503, 33.3782**.

A 20% lighter version of the original color is **51.0363, 78.3591, 59.4486**, and **16.4666, 30.4963, 13.0011** is the 20% darker color. If you saturate the color by 10%, you get **32.5311, 58.2890, 31.7242**, and if you desaturate by 10%, it is **33.5873, 58.7524, 35.4392**.

Distribution



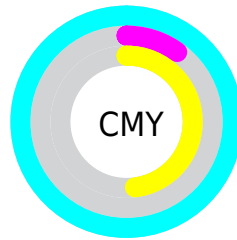
- Red (0%)
- Green (90%)
- Blue (52%)



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



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




- Cyan (100%)
- Magenta (10%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5305, 58.2871, 31.7263 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 32.5305, 58.2871, 31.7263 by changing the saturation by 10% instead.


 32.5305, 58.2871,
31.7263


 32.5305, 58.2871,
31.7263


305.2313,
418.2549, 324.3248


 21.9245, 42.0395,
20.8894


 63.0014, 102.3408,
63.4747


 13.9177, 29.1322,
12.8528


 83.5971, 130.9157,
85.2233


 8.1448, 19.1809,
7.1977

 108.2534,
164.3686, 111.4462

 4.2403, 11.8010,
3.5057

 137.3356,
203.0837, 142.5620

 1.8390, 6.6084,
1.3583

 171.2092,
247.4455, 178.9893

 0.5410, 3.2184,
0.1089

210.2394,

 0.0000, 1.2468,

297.8383, 221.1464

0.0000

254.7917,
354.6467, 269.4521

■ 0.0000, 0.0994,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.5305, 58.2871,
31.7263

■ 32.5305, 58.2871,
31.7263


■ 32.5311, 58.2890,
31.7242


■ 33.5873, 58.7524,
35.4392


■ 35.1263, 59.4574,
39.5050


■ 37.2848, 60.4742,
43.9393


■ 40.1417, 61.8434,
48.7538

 43.7640, 63.5993,
53.9591

 48.2102, 65.7719,
59.5652

 53.5329, 68.3882,
65.5816

 59.7803, 71.4729,
72.0176

 66.9969, 75.0487,
78.8819

Harmonies

Analogous

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



40.4465, 58.2871, 14.9817



32.5305, 58.2871, 31.7263



30.3122, 58.2871, 68.2568

Triad

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



32.5305, 58.2871, 31.7263



57.0490, 58.2871, 195.5857



84.8709, 58.2871, 26.8932

Complementary

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



32.5305, 58.2871, 31.7263



34.7934, 17.6876, 12.8952

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.



91.5102, 58.2871, 58.9024



32.5305, 58.2871, 31.7263



73.6484, 58.2871, 167.5051

Square

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



32.5305, 58.2871, 31.7263



42.7831, 58.2871, 176.5957



87.0594, 58.2871, 111.4173



70.2818, 58.2871, 13.2656

Rectangle

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



32.5305, 58.2871, 31.7263



31.9349, 58.2871, 103.9518



87.0594, 58.2871, 111.4173



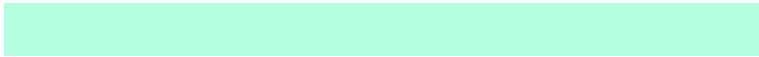
88.2197, 58.2871, 35.1487

Sweetspot

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



32.5320, 58.2894, 31.7276



67.5185, 86.3576, 82.7342



33.5183, 59.2870, 9.6776



13.8134, 18.1699, 17.0057



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.



32.5320, 58.2894, 31.7276



41.0616, 73.6406, 39.8378



38.5007, 54.1474, 83.2880



14.5370, 16.2282, 17.0924



18.4789, 33.0237, 18.2883



1.4117, 2.4588, 1.5946

Inverse Universe

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



34.7934, 17.6876, 12.8952



43.9231, 22.3332, 16.0588



32.8104, 17.1754, 1.5865



14.6279, 14.4684, 16.2411



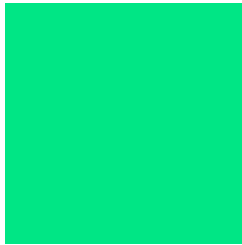
19.7549, 10.0362, 7.6043



1.5054, 0.7599, 0.8019

Previews

White Background



This preview shows how the XYZ color 32.5305, 58.2871, 31.7263 looks on a white background.

Color Contrast Check

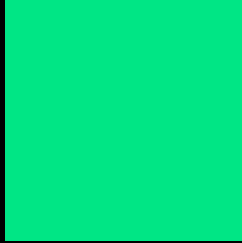
Large Text (above 18pt) WCAG AA × Fail

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 32.5305, 58.2871, 31.7263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

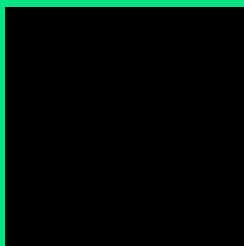
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.5305, 58.2871, 31.7263

Background



This preview shows how black text looks on a background with the XYZ color 32.5305, 58.2871, 31.7263.

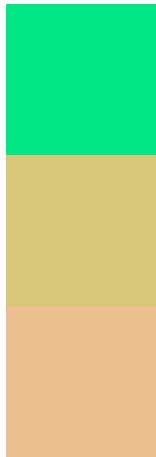


This preview shows how white text looks on a background with the XYZ color 32.5305, 58.2871,

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

32.5305, 58.2871, 31.7263

Protanopia

52.4899, 56.9790, 26.3207

Deuteranopia

58.1054, 57.0475, 33.5400



Tritanopia

43.9580, 58.1302, 88.2603

Trichromacy



Original Color

32.5305, 58.2871, 31.7263



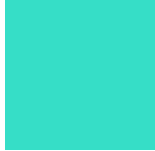
Protanomaly

37.2295, 52.9771, 27.6654



Deuteranomaly

39.0692, 52.0108, 32.4060



Tritanomaly

37.9514, 57.1503, 63.0637

Monochromacy



Original Color

32.5305, 58.2871, 31.7263



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 32.5305, 58.2871, 31.7263 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 133) }
```

Border

The CSS property to change the border of an element to XYZ 32.5305, 58.2871, 31.7263 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, 133) }
```


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

```
.border{ border-color:rgb(0, 230, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5305, 58.2871, 31.7263 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, 133) }
```

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

```
.background{ background-color: rgb(0, 230,  
133) }
```

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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