

Converting Colors

XYZ(32.8158, 59.3479, 29.1110)

Have a look what the booklet for
XYZ(32.8158, 59.3479, 29.1110)
contains.

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Color

**XYZ(32.8077, 59.3225,
29.1233)**

Conversions

Conversions Part 1

Format	Color
Hex	12E87D
RGB	18, 232, 125
RGB Percent	7%, 91%, 49%
CMY	0.9294, 0.0902, 0.5098
CMYK	0.92, 0.00, 0.46, 0.09
HSL	150°, 86%, 49%
HSV	150°, 92%, 91%
XYZ	32.8077, 59.3225, 29.1233
YIQ	155.8160, -93.1970, -78.6450

Conversions

Conversions Part 2

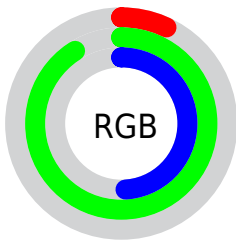
Format	Color
RYB	18, 161, 232
Decimal	1239165
CIELab	81.47, -69.39, 39.19
CIELCh	81, 79.687, 150.543
Yxy	59.3225, 0.2706, 0.4892
Android (android.graphics.Color)	4279429245 (0xFF12E87D)
YUV	155.8160, -15.1923, -120.8646
Hunter-Lab	77.0211, -58.7535, 31.4960

Details

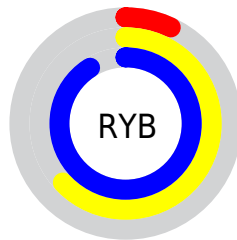
The XYZ color **32.8077, 59.3225, 29.1233** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **37.1986, 19.0702, 21.1251**, and the grayscale version is **31.6151, 33.2615, 36.2218**.

A 20% lighter version of the original color is **50.5788, 78.2194, 55.0799**, and **16.5660, 31.1544, 11.6188** is the 20% darker color. If you saturate the color by 10%, you get **32.0101, 58.9764, 26.2192**, and if you desaturate by 10%, it is **34.2674, 59.9860, 33.2904**.

Distribution



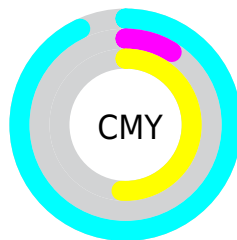
- Red (7%)
- Green (91%)
- Blue (49%)



- Red (7%)
- Yellow (63%)
- Blue (91%)



- Cyan (92%)
- Magenta (0%)
- Yellow (46%)
- Black (9%)





- Cyan (93%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8077, 59.3225, 29.1233 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 32.8077, 59.3225, 29.1233 by changing the saturation by 10% instead.


 32.8077, 59.3225,
29.1233


 32.8077, 59.3225,
29.1233


306.4627,
422.0960, 311.8754


 22.1377, 42.8728,
18.9277


 63.4319, 103.8462,
59.3174


 14.0753, 29.7853,
11.4418

 84.1168, 132.6891,
80.1531


 8.2551, 19.6757,
6.2469

 108.8707,
166.4317, 105.3726

 4.3118, 12.1595,
2.9246

 138.0589,
205.4585, 135.3943

 1.8800, 6.8524,
1.0563

 172.0469,
250.1540, 170.6369

 0.5652, 3.3700,
0.0000

211.1999,

 0.0000, 1.3278,

300.9025, 211.5190

0.0000

255.8834,
358.0883, 258.4589

■ 0.0000, 0.1626,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.8077, 59.3225,
29.1233

■ 32.8077, 59.3225,
29.1233


■ 32.0101, 58.9764,
26.2192


■ 34.2674, 59.9860,
33.2904

■ 36.3602, 60.9638,
37.9525


■ 39.1733, 62.3024,
43.1290


■ 42.7786, 64.0383,
48.8367

 47.2385, 66.2037,
55.0915

 52.6091, 68.8270,
61.9086

 58.9414, 71.9343,
69.3022

 66.2825, 75.5497,
77.2863

 74.6765, 79.6955,
85.8742

Harmonies

Analogous

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



41.6007, 59.3225, 13.3746



32.8077, 59.3225, 29.1233



30.0019, 59.3225, 65.4668

Triad

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



32.8077, 59.3225, 29.1233



56.6889, 59.3225, 206.9278



88.7763, 59.3225, 28.2454

Complementary

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



32.8077, 59.3225, 29.1233



37.1986, 19.0702, 21.1251

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.



94.9366, 59.3225, 63.7252



32.8077, 59.3225, 29.1233



74.3110, 59.3225, 180.4476

Square

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



32.8077, 59.3225, 29.1233



42.0322, 59.3225, 182.1804



89.1885, 59.3225, 121.1354



73.6797, 59.3225, 13.0721

Rectangle

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



32.8077, 59.3225, 29.1233



31.3607, 59.3225, 102.4988



89.1885, 59.3225, 121.1354



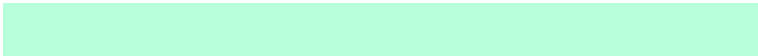
92.0802, 59.3225, 37.4160

Sweetspot

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



32.8092, 59.3249, 29.1247



68.2571, 86.7913, 80.3793



37.9554, 62.3929, 10.6151



13.9161, 18.2369, 16.3745



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.



32.8092, 59.3249, 29.1247



39.6232, 73.0653, 32.2635



43.1717, 63.4699, 83.6931



14.4884, 16.2088, 16.8365



17.8337, 32.7656, 14.8903



1.3647, 2.4400, 1.3472

Inverse Universe

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



37.1986, 19.0702, 21.1251



45.1036, 22.8055, 22.2757



33.6372, 17.6456, 2.3707



14.6760, 14.4876, 16.4944



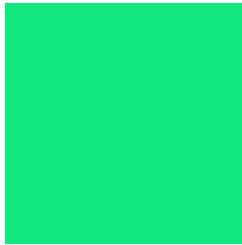
20.2888, 10.2497, 10.4159



1.5462, 0.7762, 1.0166

Previews

White Background



This preview shows how the XYZ color 32.8077, 59.3225, 29.1233 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 32.8077, 59.3225, 29.1233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

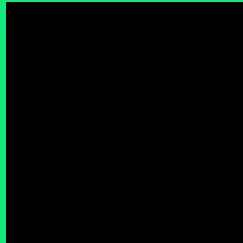
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8077, 59.3225, 29.1233

Background



This preview shows how black text looks on a background with the XYZ color 32.8077, 59.3225, 29.1233.

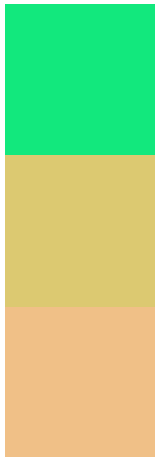


This preview shows how white text looks on a background with the XYZ color 32.8077, 59.3225,

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

32.8077, 59.3225, 29.1233

Protanopia

53.3825, 58.1812, 24.0393

Deuteranopia

59.1580, 57.9738, 30.9938



Tritanopia

44.6421, 58.8522, 89.1275

Trichromacy



Original Color

32.8077, 59.3225, 29.1233



Protanomaly

38.7870, 54.5744, 25.3192



Deuteranomaly

40.7076, 53.6353, 29.6799



Tritanomaly

38.6694, 58.3536, 61.4498

Monochromacy



Original Color

32.8077, 59.3225, 29.1233



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.1952, 39.3895, 32.9050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8077, 59.3225, 29.1233 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(18, 232, 125)` looks like.

```
.text, #text, p{  
    color:rgb(18, 232, 125)  
}
```

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(18, 232, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 232, 125) }
```

Border

The CSS property to change the border of an element to XYZ 32.8077, 59.3225, 29.1233 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(18, 232, 125) }
```


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

```
.border{ border-color:rgb(18, 232, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 232, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 232, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 232, 125);  
box-shadow:4px 4px 4px 4px rgb(18, 232,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8077, 59.3225, 29.1233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 232, 125) }
```

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

```
.background{ background-color: rgb(18, 232,  
125) }
```

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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