

Converting Colors

XYZ(31.9382, 57.8279, 29.2930)

Have a look what the booklet for
XYZ(31.9382, 57.8279, 29.2930)
contains.

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Color

**XYZ(32.0627, 58.1000,
29.2632)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-------------------------------|
| Hex | 00E67E |
| RGB | 0, 230, 126 |
| RGB Percent | 0%, 90%, 49% |
| CMY | 0.9999, 0.0980, 0.5059 |
| CMYK | 1.00, 0.00, 0.45, 0.10 |
| HSL | 153°, 100%, 45% |
| HSV | 153°, 100%, 90% |
| XYZ | 32.0627, 58.1000, 29.2632 |
| YIQ | 149.3740, -103.6960, -81.1040 |

Conversions

Conversions Part 2

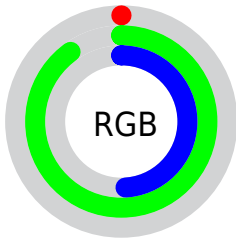
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 149, 230 |
| Decimal | 59006 |
| CIELab | 80.79, -69.15, 37.82 |
| CIELCh | 81, 78.820, 151.327 |
| Yxy | 58.1000, 0.2685, 0.4865 |
| Android (android.graphics.Color) | 4278249086 (0xFF00E67E) |
| YUV | 149.3740, -11.5234, -131.0010 |
| Hunter-Lab | 76.2234, -58.3064, 30.5941 |

Details

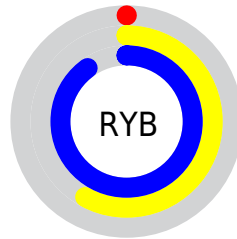
The XYZ color **32.0627, 58.1000, 29.2632** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **35.1340, 17.8237, 14.6894**, and the grayscale version is **28.8057, 30.3058, 33.0030**.

A 20% lighter version of the original color is **50.3049, 78.0665, 55.5970**, and **16.2136, 30.3951, 11.6689** is the 20% darker color. If you saturate the color by 10%, you get **32.0636, 58.1021, 29.2623**, and if you desaturate by 10%, it is **33.1243, 58.5672, 33.0020**.

Distribution



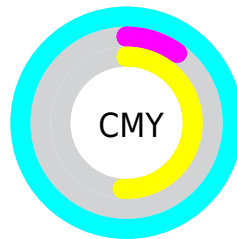
- Red (0%)
- Green (90%)
- Blue (49%)



- Red (0%)
- Yellow (58%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0627, 58.1000, 29.2632 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 32.0627, 58.1000, 29.2632 by changing the saturation by 10% instead.


 32.0627, 58.1000,
29.2632


 32.0627, 58.1000,
29.2632


303.1450,
417.5585, 312.5545


 21.5652, 41.8890,
19.0327


 62.2739, 102.0685,
59.5422


 13.6526, 29.0144,
11.5169


 82.7183, 130.5948,
80.4277

 7.9595, 19.0917,
6.2971


 107.2090,
163.9950, 105.7021

 4.1206, 11.7366,
2.9549

 136.1114,
202.6535, 135.7838

 1.7706, 6.5646,
1.0716

 169.7908,
246.9547, 171.0913

 0.4999, 3.1913,
0.0000

208.6127,

 0.0000, 1.2324,

297.2830, 212.0432

0.0000

252.9423,
354.0228, 259.0581

■ 0.0000, 0.0879,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.0627, 58.1000,
29.2632

■ 32.0627, 58.1000,
29.2632

■ 32.0636, 58.1021,
29.2623

■ 33.1243, 58.5672,
33.0020

■ 34.6764, 59.2775,
37.1374

■ 36.8566, 60.3029,
41.6873

■ 39.7443, 61.6844,
46.6651

■ 43.4068, 63.4564,
52.0835

■ 47.9030, 65.6489,
57.9543

■ 53.2858, 68.2893,
64.2888

■ 59.6038, 71.4021,
71.0978

■ 66.9016, 75.0104,
78.3918

Harmonies

Analogous

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



40.4961, 58.1000, 13.4303



32.0627, 58.1000, 29.2632



29.4705, 58.1000, 65.3590

Triad

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



32.0627, 58.1000, 29.2632



55.9501, 58.1000, 201.8420



86.5038, 58.1000, 27.1655

Complementary

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



32.0627, 58.1000, 29.2632



35.1340, 17.8237, 14.6894

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.



92.7932, 58.1000, 61.2084



32.0627, 58.1000, 29.2632



73.1451, 58.1000, 174.8729

Square

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



32.0627, 58.1000, 29.2632



41.5253, 58.1000, 178.9924



87.4849, 58.1000, 116.7514



71.6418, 58.1000, 12.7053

Rectangle

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



32.0627, 58.1000, 29.2632



30.8975, 58.1000, 101.7796



87.4849, 58.1000, 116.7514



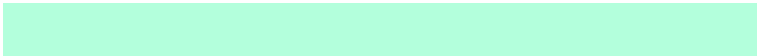
89.8084, 58.1000, 35.9412

Sweetspot

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



32.0642, 58.1023, 29.2645



67.2073, 86.2331, 81.0954



34.4027, 59.7429, 9.7187



13.7395, 18.1403, 16.6167



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.



32.0642, 58.1023, 29.2645



40.4707, 73.4043, 36.7264



40.4947, 58.1356, 83.9528



14.5180, 16.2206, 16.9926



18.2144, 32.9179, 16.8953



1.3927, 2.4512, 1.4944

Inverse Universe

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



35.1340, 17.8237, 14.6894



44.3524, 22.5050, 18.3198



32.7178, 16.9904, 1.5555



14.6466, 14.4758, 16.3393



19.9497, 10.1141, 8.6299



1.5205, 0.7659, 0.8816

Previews

White Background



This preview shows how the XYZ color 32.0627, 58.1000, 29.2632 looks on a white background.

Color Contrast Check

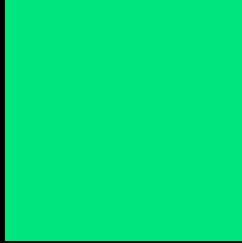
Large Text (above 18pt) WCAG AA × Fail

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 32.0627, 58.1000, 29.2632 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 32.0627, 58.1000, 29.2632

Background



This preview shows how black text looks on a background with the XYZ color 32.0627, 58.1000, 29.2632.

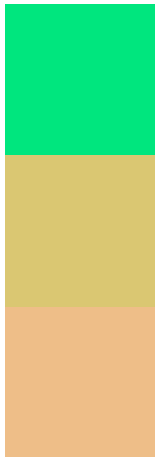


This preview shows how white text looks on a background with the XYZ color 32.0627, 58.1000,

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

32.0627, 58.1000, 29.2632

Protanopia

52.3741, 56.9672, 24.1549

Deuteranopia

58.1173, 56.7816, 31.1894



Tritanopia

43.9046, 58.1194, 87.5014

Trichromacy



Original Color

32.0627, 58.1000, 29.2632



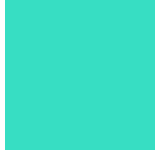
Protanomaly

36.9641, 52.8902, 25.4002



Deuteranomaly

38.7587, 51.9079, 29.8062



Tritanomaly

37.5472, 56.9949, 60.6519

Monochromacy



Original Color

32.0627, 58.1000, 29.2632



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.4474, 36.1968, 30.8448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0627, 58.1000, 29.2632 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 126) }
```

Border

The CSS property to change the border of an element to XYZ 32.0627, 58.1000, 29.2632 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, 126) }
```


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

```
.border{ border-color:rgb(0, 230, 126) }
```

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, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0627, 58.1000, 29.2632 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, 126) }
```

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

```
.background{ background-color: rgb(0, 230,  
126) }
```

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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