

Converting Colors

XYZ(32.1268, 56.6497, 32.3149)

Have a look what the booklet for
XYZ(32.1268, 56.6497, 32.3149)
contains.

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Color

**XYZ(32.2189, 56.8816,
32.2028)**

Conversions

Conversions Part 1

Format	Color
Hex	18E387
RGB	24, 227, 135
RGB Percent	9%, 89%, 53%
CMY	0.9059, 0.1098, 0.4706
CMYK	0.89, 0.00, 0.41, 0.11
HSL	153°, 81%, 49%
HSV	153°, 89%, 89%
XYZ	32.2189, 56.8816, 32.2028
YIQ	155.8150, -91.4560, -71.6480

Conversions

Conversions Part 2

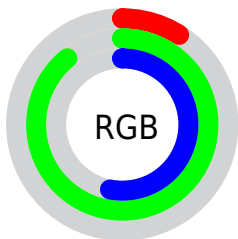
Format	Color
RYB	24, 155, 227
Decimal	1631111
CIELab	80.11, -65.65, 32.46
CIELCh	80, 73.239, 153.692
Yxy	56.8816, 0.2656, 0.4689
Android (android.graphics.Color)	4279821191 (0xFF18E387)
YUV	155.8150, -10.2618, -115.6018
Hunter-Lab	75.4199, -55.7307, 27.4783

Details

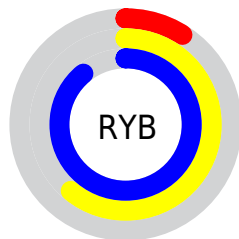
The XYZ color **32.2189, 56.8816, 32.2028** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **35.1595, 18.2463, 18.1945**, and the grayscale version is **31.5928, 33.2381, 36.1962**.

A 20% lighter version of the original color is **51.7554, 78.7048, 60.6079**, and **15.9750, 29.3895, 13.2183** is the 20% darker color. If you saturate the color by 10%, you get **31.1699, 56.4221, 28.5542**, and if you desaturate by 10%, it is **33.7623, 57.5910, 36.2425**.

Distribution



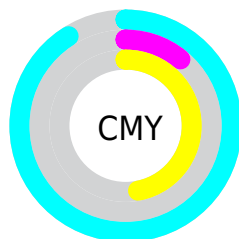
- Red (9%)
- Green (89%)
- Blue (53%)



- Red (9%)
- Yellow (61%)
- Blue (89%)



- Cyan (89%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (91%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2189, 56.8816, 32.2028 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 32.2189, 56.8816, 32.2028 by changing the saturation by 10% instead.


 32.2189, 56.8816,
32.2028


 32.2189, 56.8816,
32.2028


303.8428,
413.0055, 326.5632


 21.6851, 40.9102,
21.2503


 62.5170, 100.2924,
64.2305


 13.7410, 28.2489,
13.1141


 83.0120, 128.5006,
86.1428


 8.0213, 18.5134,
7.3755


 107.5581,
161.5565, 112.5455

 4.1605, 11.3192,
3.6160

 136.5207,
199.8445, 143.8570

 1.7933, 6.2820,
1.4172

 170.2651,
243.7490, 180.4960

 0.5136, 3.0173,
0.1551

209.1567,

 0.0000, 1.1408,

293.6544, 222.8811

0.0000

253.5608,
349.9451, 271.4306

■ 0.0000, 0.0125,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2189, 56.8816,
32.2028

■ 32.2189, 56.8816,
32.2028

■ 31.1699, 56.4221,
28.5542

■ 33.7623, 57.5910,
36.2425

■ 31.1159, 56.3986,
28.3552

■ 35.9186, 58.6065,
40.6850

■ 38.7654, 59.9695,
45.5447

■ 42.3672, 61.7129,
50.8337

■ 46.7806, 63.8659,
56.5637

■ 52.0567, 66.4544,
62.7456

■ 58.2422, 69.5025,
69.3899

■ 65.3803, 73.0322,
76.5067

■ 73.5115, 77.0642,
84.1058

Harmonies

Analogous

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



39.6673, 56.8816, 15.6544



32.2189, 56.8816, 32.2028



30.2015, 56.8816, 67.3736

Triad

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



32.2189, 56.8816, 32.2028



55.9315, 56.8816, 185.3398



81.6029, 56.8816, 26.6367

Complementary

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



32.2189, 56.8816, 32.2028



35.1595, 18.2463, 18.1945

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.



88.0232, 56.8816, 56.7961



32.2189, 56.8816, 32.2028



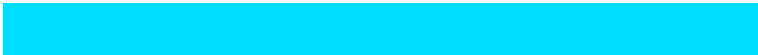
71.5809, 56.8816, 158.4655

Square

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



32.2189, 56.8816, 32.2028



42.3258, 56.8816, 168.5637



84.0564, 56.8816, 105.9242



67.7941, 56.8816, 13.6344

Rectangle

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



32.2189, 56.8816, 32.2028



31.8286, 56.8816, 101.1375



84.0564, 56.8816, 105.9242



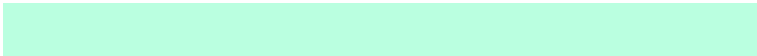
84.8012, 56.8816, 34.4508

Sweetspot

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



32.2204, 56.8839, 32.2041



69.4731, 87.3487, 83.5744



35.2071, 58.9097, 10.3797



14.3174, 18.4244, 17.2721



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.



32.2204, 56.8839, 32.2041



40.4517, 73.3967, 36.6260



39.8980, 57.0516, 81.5850



14.5174, 16.2204, 16.9892



18.2059, 32.9144, 16.8503



1.3921, 2.4509, 1.4912

Inverse Universe

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



35.1595, 18.2463, 18.1945



44.3674, 22.5110, 18.3989



32.3288, 17.3657, 2.5126



14.6472, 14.4761, 16.3426



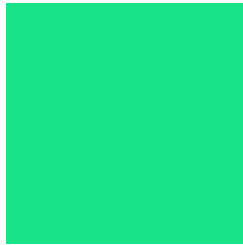
19.9565, 10.1168, 8.6657



1.5210, 0.7661, 0.8843

Previews

White Background



This preview shows how the XYZ color 32.2189, 56.8816, 32.2028 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 32.2189, 56.8816, 32.2028 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 32.2189, 56.8816, 32.2028

Background



This preview shows how black text looks on a background with the XYZ color 32.2189, 56.8816, 32.2028.



This preview shows how white text looks on a background with the XYZ color 32.2189, 56.8816,

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

32.2189, 56.8816, 32.2028

Protanopia

51.5657, 55.8096, 26.7934

Deuteranopia

56.8359, 55.7324, 34.1474



Tritanopia

42.7547, 56.4154, 85.7266

Trichromacy



Original Color

32.2189, 56.8816, 32.2028



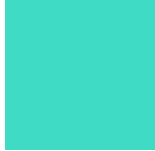
Protanomaly

38.2407, 52.7550, 28.2459



Deuteranomaly

40.0683, 51.8031, 33.0865



Tritanomaly

37.4595, 55.7510, 61.6100

Monochromacy



Original Color

32.2189, 56.8816, 32.2028



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.2576, 38.7822, 34.0133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2189, 56.8816, 32.2028 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(24, 227, 135)` looks like.

```
.text, #text, p{  
    color:rgb(24, 227, 135)  
}
```

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(24, 227, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 227, 135) }
```

Border

The CSS property to change the border of an element to XYZ 32.2189, 56.8816, 32.2028 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(24, 227, 135) }
```


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

```
.border{ border-color:rgb(24, 227, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 227, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 227, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 227, 135);  
box-shadow:4px 4px 4px 4px rgb(24, 227,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2189, 56.8816, 32.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 227, 135) }
```

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

```
.background{ background-color: rgb(24, 227,  
135) }
```

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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