

Converting Colors

XYZ(31.1778, 56.0347, 27.8051)

Have a look what the booklet for
XYZ(31.1778, 56.0347, 27.8051)
contains.

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Color

**XYZ(31.1975, 56.0424,
27.9119)**

Conversions

Conversions Part 1

Format	Color
Hex	1AE27B
RGB	26, 226, 123
RGB Percent	10%, 89%, 48%
CMY	0.8980, 0.1137, 0.5176
CMYK	0.88, 0.00, 0.46, 0.11
HSL	149°, 79%, 49%
HSV	149°, 88%, 89%
XYZ	31.1975, 56.0424, 27.9119
YIQ	154.4580, -86.1370, -74.4330

Conversions

Conversions Part 2

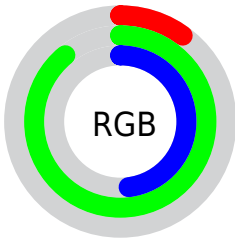
Format	Color
R_{YB}	26, 161, 226
Decimal	1761915
CIE _{Lab}	79.64, -67.33, 37.84
CIE _{LCh}	80, 77.236, 150.661
Yxy	56.0424, 0.2709, 0.4867
Android (android.graphics.Color)	4279951995 (0xFF1AE27B)
YUV	154.4580, -15.5088, -112.6577
Hunter-Lab	74.8615, -56.6201, 30.2969

Details

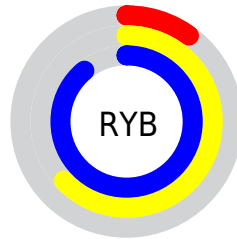
The XYZ color **31.1975, 56.0424, 27.9119** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **35.6977, 18.4936, 22.4596**, and the grayscale version is **31.0115, 32.6265, 35.5303**.

A 20% lighter version of the original color is **50.5059, 78.2050, 54.0281**, and **15.3577, 28.8438, 10.8889** is the 20% darker color. If you saturate the color by 10%, you get **30.1294, 55.5725, 24.2827**, and if you desaturate by 10%, it is **32.7932, 56.7773, 32.0206**.

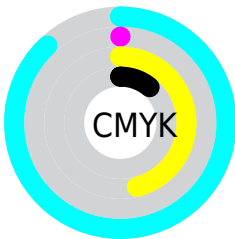
Distribution



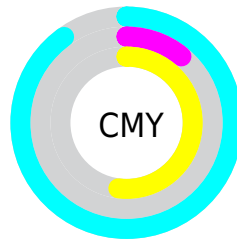
- Red (10%)
- Green (89%)
- Blue (48%)



- Red (10%)
- Yellow (63%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (46%)
- Black (11%)





- Cyan (90%)
- Magenta (11%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1975, 56.0424, 27.9119 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 31.1975, 56.0424, 27.9119 by changing the saturation by 10% instead.


 31.1975, 56.0424,
27.9119


 31.1975, 56.0424,
27.9119


299.2578,
409.8513, 305.9444


 20.9018, 40.2369,
18.0208


 60.9246, 99.0666,
57.3652


 13.1643, 27.7233,
10.7953


 81.0868, 127.0540,
77.7644


 7.6196, 18.1172,
5.8169


 105.2685,
159.8710, 102.5034

 3.9023, 11.0342,
2.6671

 133.8351,
197.9018, 132.0008

 1.6470, 6.0898,
0.9268

 167.1520,
241.5308, 166.6750

 0.4227, 2.8998,
0.0000

205.5845,

 0.0000, 1.0796,

291.1424, 206.9447

0.0000

249.4980,
347.1211, 253.2283

■ 0.0000, 0.0000,
0.0000

■ 31.1975, 56.0424,
27.9119

■ 31.1975, 56.0424,
27.9119

■ 30.1294, 55.5725,
24.2827

■ 32.7932, 56.7773,
32.0206


■ 29.9907, 55.5121,
23.7748


■ 35.0214, 57.8264,
36.6250


■ 37.9586, 59.2303,
41.7442


■ 41.6684, 61.0215,
47.3949

■ 46.2073, 63.2289,
53.5928

 51.6261, 65.8784,
60.3531

 57.9713, 68.9937,
67.6901

 65.2863, 72.5968,
75.6177

 73.6114, 76.7083,
84.1492

Harmonies

Analogous

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



39.4107, 56.0424, 12.9892



31.1975, 56.0424, 27.9119



28.5871, 56.0424, 62.0155

Triad

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



31.1975, 56.0424, 27.9119



53.6129, 56.0424, 193.1888



83.3947, 56.0424, 26.9067

Complementary

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



31.1975, 56.0424, 27.9119



35.6977, 18.4936, 22.4596

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.



89.1638, 56.0424, 60.0365



31.1975, 56.0424, 27.9119



70.0402, 56.0424, 168.4892

Square

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



31.1975, 56.0424, 27.9119



39.9023, 56.0424, 170.4443



83.8615, 56.0424, 113.4138



69.3244, 56.0424, 12.6396

Rectangle

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



31.1975, 56.0424, 27.9119



29.8764, 56.0424, 96.5511



83.8615, 56.0424, 113.4138



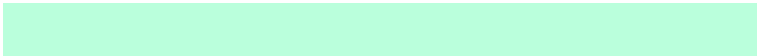
86.4792, 56.0424, 35.4906

Sweetspot

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



31.1989, 56.0447, 27.9132



68.9038, 87.1209, 80.5766



36.4887, 59.1631, 10.4741



14.1836, 18.3708, 16.5674



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.



31.1989, 56.0447, 27.9132



39.3774, 72.9670, 30.9689



40.8985, 59.9245, 78.9904



13.8044, 15.4475, 16.0050



17.1685, 31.6923, 13.8764



1.2351, 2.2148, 1.1994

Inverse Universe

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



35.6977, 18.4936, 22.4596



45.3590, 22.9076, 23.6203



31.9608, 16.9988, 2.7811



14.0005, 13.8178, 15.7726



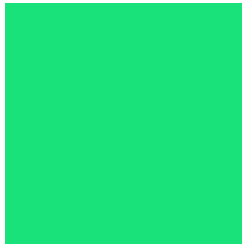
19.7650, 9.9730, 10.6942



1.4152, 0.7094, 0.9793

Previews

White Background



This preview shows how the XYZ color 31.1975, 56.0424, 27.9119 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 31.1975, 56.0424, 27.9119 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

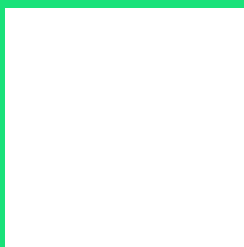
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1975, 56.0424, 27.9119

Background



This preview shows how black text looks on a background with the XYZ color 31.1975, 56.0424, 27.9119.



This preview shows how white text looks on a background with the XYZ color 31.1975, 56.0424,

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

31.1975, 56.0424, 27.9119

Protanopia

50.6889, 55.0968, 23.2924

Deuteranopia

55.8669, 54.6990, 29.4433



Tritanopia

42.4009, 55.8889, 84.1542

Trichromacy



Original Color

31.1975, 56.0424, 27.9119



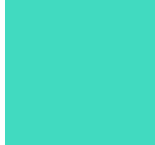
Protanomaly

37.3193, 51.9976, 24.5926



Deuteranomaly

38.9496, 50.6274, 28.4881



Tritanomaly

36.7658, 55.0724, 58.5614

Monochromacy



Original Color

31.1975, 56.0424, 27.9119



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.3426, 37.7515, 31.8323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1975, 56.0424, 27.9119 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(26, 226, 123)` looks like.

```
.text, #text, p{  
    color:rgb(26, 226, 123)  
}
```

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(26, 226, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 226, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.1975, 56.0424, 27.9119 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(26, 226, 123) }
```


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

```
.border{ border-color:rgb(26, 226, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 226, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 226, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 226, 123);  
box-shadow:4px 4px 4px 4px rgb(26, 226,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1975, 56.0424, 27.9119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 226, 123) }
```

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

```
.background{ background-color: rgb(26, 226,  
123) }
```

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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