

Converting Colors

XYZ(31.8255, 55.1800, 27.0626)

Have a look what the booklet for
XYZ(31.8255, 55.1800, 27.0626)
contains.

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Color

**XYZ(31.8255, 55.1800,
27.0626)**

Conversions

Conversions Part 1

Format	Color
Hex	3EDF79
RGB	62, 223, 121
RGB Percent	24%, 87%, 47%
CMY	0.7569, 0.1255, 0.5255
CMYK	0.72, 0.00, 0.46, 0.13
HSL	142°, 72%, 56%
HSV	142°, 72%, 87%
XYZ	31.8255, 55.1800, 27.0626
YIQ	163.2330, -63.2140, -65.8540

Conversions

Conversions Part 2

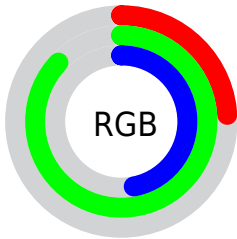
Format	Color
RYB	62, 180, 223
Decimal	4120441
CIELab	79.14, -62.91, 38.30
CIELCh	79, 73.645, 148.668
Yxy	55.1800, 0.2790, 0.4837
Android (android.graphics.Color)	4282310521 (0xFF3EDF79)
YUV	163.2330, -20.8209, -88.7813
Hunter-Lab	74.2832, -53.5201, 30.3980

Details

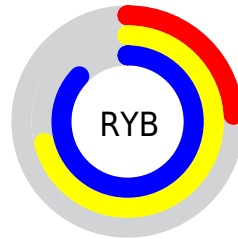
The XYZ color **31.8255, 55.1800, 27.0626** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **38.8566, 21.8146, 37.2865**, and the grayscale version is **35.0409, 36.8658, 40.1469**.

A 20% lighter version of the original color is **52.7038, 79.3610, 53.0979**, and **14.7417, 27.7146, 10.3668** is the 20% darker color. If you saturate the color by 10%, you get **29.8995, 54.2816, 22.7769**, and if you desaturate by 10%, it is **34.4545, 56.4293, 32.0461**.

Distribution



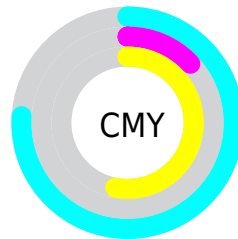
- Red (24%)
- Green (87%)
- Blue (47%)



- Red (24%)
- Yellow (71%)
- Blue (87%)



- Cyan (72%)
- Magenta (0%)
- Yellow (46%)
- Black (13%)




- Cyan (76%)
- Magenta (13%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8255, 55.1800, 27.0626 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 31.8255, 55.1800, 27.0626 by changing the saturation by 10% instead.


 31.8255, 55.1800,
27.0626


 31.8255, 55.1800,
27.0626


302.0830,
406.5939, 301.7298


 21.3831, 39.5459,
17.3874


 61.9045, 97.8046,
55.9893


 13.5184, 27.1846,
10.3462


 82.2718, 125.5639,
76.0778

 7.8659, 17.7119,
5.5205


 106.6782,
158.1337, 100.4745

 4.0604, 10.7434,
2.4918

 135.4889,
195.8984, 129.5980

 1.7363, 5.8945,
0.8358

169.0694,
239.2423, 163.8667

 0.4789, 2.7811,
0.0000

207.7851,

 0.0000, 1.0185,

288.5500, 203.6992

0.0000

252.0011,
344.2057, 249.5141

■ 0.0000, 0.0000,
0.0000

■ 31.8255, 55.1800,
27.0626

■ 31.8255, 55.1800,
27.0626

■ 29.8995, 54.2816,
22.7769

■ 34.4545, 56.4293,
32.0461

■ 28.5917, 53.6862,
19.1526


■ 37.8501, 58.0570,
37.7537


■ 27.9011, 53.3824,
16.7605


■ 42.0731, 60.0954,
44.2148

■ 47.1765, 62.5713,
51.4561

■ 53.2092, 65.5094,
59.5028

 60.2160, 68.9323,
68.3792

 68.2389, 72.8612,
78.1082

 77.3173, 77.3161,
88.7121

 84.5964, 80.8245,
100.0768

Harmonies

Analogous

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



40.0266, 55.1800, 13.3772



31.8255, 55.1800, 27.0626



28.9677, 55.1800, 58.2200

Triad

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



31.8255, 55.1800, 27.0626



51.7928, 55.1800, 182.7178



81.3490, 55.1800, 29.0227

Complementary

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



31.8255, 55.1800, 27.0626



38.8566, 21.8146, 37.2865

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.



86.0682, 55.1800, 61.9825



31.8255, 55.1800, 27.0626



67.2027, 55.1800, 162.7198

Square

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



31.8255, 55.1800, 27.0626



39.0839, 55.1800, 159.0919



80.4720, 55.1800, 112.7464



68.5538, 55.1800, 14.0803

Rectangle

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



31.8255, 55.1800, 27.0626



29.9747, 55.1800, 89.8823



80.4720, 55.1800, 112.7464



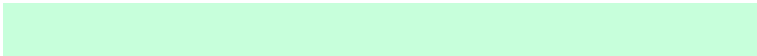
84.0271, 55.1800, 37.7246

Sweetspot

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



31.8269, 55.1822, 27.0639



72.1333, 88.7871, 80.6704



43.1216, 61.3031, 14.1178



14.9337, 18.7575, 16.6053



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.



31.8269, 55.1822, 27.0639



39.4549, 73.0710, 28.0784



38.6674, 57.9184, 63.0853



13.7354, 15.4199, 15.6417



16.4546, 31.4067, 10.1170



1.1826, 2.1938, 0.9229

Inverse Universe

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



38.8566, 21.8146, 37.2865



49.3989, 25.4004, 42.1911



33.8413, 19.8085, 10.8762



14.0708, 13.8459, 16.1429



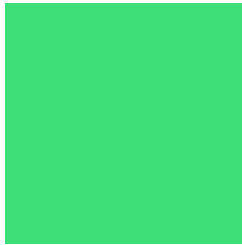
20.7885, 10.3824, 16.0838



1.4836, 0.7367, 1.3394

Previews

White Background



This preview shows how the XYZ color 31.8255, 55.1800, 27.0626 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 31.8255, 55.1800, 27.0626 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 31.8255, 55.1800, 27.0626

Background



This preview shows how black text looks on a background with the XYZ color 31.8255, 55.1800, 27.0626.

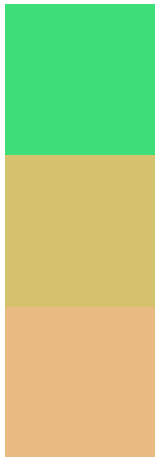


This preview shows how white text looks on a background with the XYZ color 31.8255, 55.1800,

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

31.8255, 55.1800, 27.0626

Protanopia

49.5468, 53.8555, 22.5356

Deuteranopia

55.1924, 54.0532, 28.6434



Tritanopia

42.6647, 54.9567, 81.7578

Trichromacy



Original Color

31.8255, 55.1800, 27.0626



Protanomaly

38.9691, 52.1466, 23.9310



Deuteranomaly

41.0488, 51.0371, 27.7663



Tritanomaly

37.4162, 54.3012, 56.6533

Monochromacy



Original Color

31.8255, 55.1800, 27.0626



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.2984, 41.2717, 34.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8255, 55.1800, 27.0626 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(62, 223, 121)` looks like.

```
.text, #text, p{  
    color:rgb(62, 223, 121)  
}
```

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(62, 223, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 223, 121) }
```

Border

The CSS property to change the border of an element to XYZ 31.8255, 55.1800, 27.0626 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(62, 223, 121) }
```


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

```
.border{ border-color:rgb(62, 223, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 223, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 223, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 223, 121);  
box-shadow:4px 4px 4px 4px rgb(62, 223,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8255, 55.1800, 27.0626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 223, 121) }
```

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

```
.background{ background-color: rgb(62, 223,  
121) }
```

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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