

# Converting Colors

XYZ(31.7460, 56.5772, 26.7560)

Have a look what the booklet for  
XYZ(31.7460, 56.5772, 26.7560)  
contains.

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# Color

**XYZ(31.8376, 56.8056,  
26.7393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2CE377
RGB	44, 227, 119
RGB Percent	17%, 89%, 47%
CMY	0.8274, 0.1098, 0.5333
CMYK	0.81, 0.00, 0.48, 0.11
HSL	145°, 77%, 53%
HSV	145°, 81%, 89%
XYZ	31.8376, 56.8056, 26.7393
YIQ	159.9710, -74.4000, -72.3840

# Conversions

## Conversions Part 2

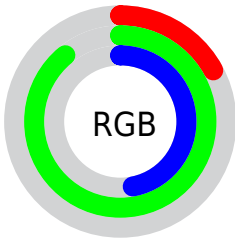
Format	Color
<a href="#">RYB</a>	<a href="#">44, 174, 227</a>
Decimal	<a href="#">2941815</a>
CIELab	<a href="#">80.07, -66.85, 40.39</a>
CIELCh	<a href="#">80, 78.105, 148.858</a>
Yxy	<a href="#">56.8056, 0.2759, 0.4923</a>
Android (android.graphics.Color)	<a href="#">4281131895 (0xFF2CE377)</a>
YUV	<a href="#">159.9710, -20.1987, -101.7066</a>
Hunter-Lab	<a href="#">75.3695, -56.4946, 31.7240</a>

# Details

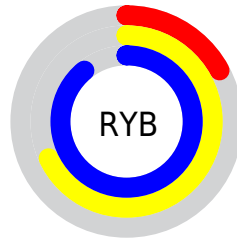
The XYZ color **31.8376, 56.8056, 26.7393** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **38.2486, 20.4004, 31.6299**, and the grayscale version is **33.5165, 35.2619, 38.4003**.

A 20% lighter version of the original color is **51.1880, 78.6021, 52.0090**, and **15.4181, 29.1668, 10.2860** is the 20% darker color. If you saturate the color by 10%, you get **30.3670, 56.1356, 22.7632**, and if you desaturate by 10%, it is **33.9570, 57.8002, 31.3404**.

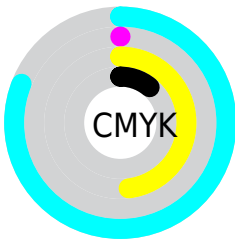
# Distribution



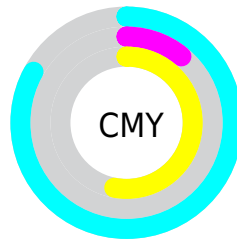
- Red (17%)
- Green (89%)
- Blue (47%)



- Red (17%)
- Yellow (68%)
- Blue (89%)



- Cyan (81%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)




- Cyan (83%)
- Magenta (11%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8376, 56.8056, 26.7393 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 31.8376, 56.8056, 26.7393 by changing the saturation by 10% instead.





 31.8376, 56.8056,  
26.7393


 31.8376, 56.8056,  
26.7393


302.1373,  
412.7205, 300.1128


 21.3924, 40.8492,  
17.1468


 61.9233, 100.1815,  
55.4639


 13.5253, 28.2013,  
10.1762


 82.2946, 128.3697,  
75.4331


 7.8707, 18.4774,  
5.4088


 106.7053,  
161.4040, 99.6982

 4.0634, 11.2933,  
2.4261

 135.5207,  
199.6688, 128.6779

 1.7381, 6.2645,  
0.8006

 169.1063,  
243.5485, 162.7907

 0.4799, 3.0066,  
0.0000

207.8273,

 0.0000, 1.1352,

293.4274, 202.4551

0.0000

252.0492,  
349.6899, 248.0896

■ 0.0000, 0.0078,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 31.8376, 56.8056,  
26.7393

■ 31.8376, 56.8056,  
26.7393

■ 30.3670, 56.1356,  
22.7632

■ 33.9570, 57.8002,  
31.3404

■ 29.4474, 55.7313,  
19.5687

■ 36.8015, 59.1533,  
36.5895

■ 40.4406, 60.9020,  
42.5132

■ 44.9340, 63.0765,  
49.1349

■ 50.3355, 65.7042,  
56.4772

■ 56.6944, 68.8100,  
64.5614

■ 64.0562, 72.4169,  
73.4081

■ 72.4635, 76.5466,  
83.0367

■ 81.9563, 81.2193,  
93.4663

# Harmonies

## Analogous

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



40.5483, 56.8056, 12.5111



31.8376, 56.8056, 26.7393



28.8448, 56.8056, 60.1238

# Triad

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



31.8376, 56.8056, 26.7393



53.3853, 56.8056, 197.0545



85.4132, 56.8056, 28.5040

# Complementary

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



31.8376, 56.8056, 26.7393



38.2486, 20.4004, 31.6299

# 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.



90.6597, 56.8056, 63.6122



31.8376, 56.8056, 26.7393



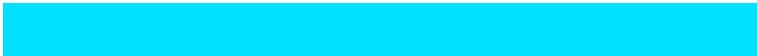
70.1203, 56.8056, 174.4878

# Square

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



31.8376, 56.8056, 26.7393



39.6831, 56.8056, 171.0286



84.5890, 56.8056, 119.0339



71.3835, 56.8056, 13.1218



# Rectangle

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



31.8376, 56.8056, 26.7393



29.9339, 56.8056, 94.6618



84.5890, 56.8056, 119.0339



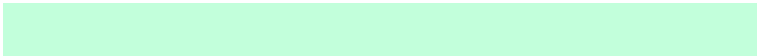
88.3711, 56.8056, 37.6622

# Sweetspot

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



31.8390, 56.8079, 26.7406



70.7274, 88.0711, 80.2078



41.2141, 61.9731, 12.1731



14.5066, 18.5422, 16.3626



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.



31.8390, 56.8079, 26.7406



38.6172, 72.6739, 26.4661



39.9811, 60.0647, 69.6161



14.4330, 16.1866, 16.5448



17.2278, 32.5232, 11.6998



1.3183, 2.4214, 1.1026



# Inverse Universe

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



38.2486, 20.4004, 31.6299



47.1249, 23.7468, 32.5099



33.4585, 18.4844, 6.4057



14.7321, 14.5100, 16.7896



21.0426, 10.5513, 14.3855



1.6008, 0.7981, 1.3046



# Previews

## White Background



This preview shows how the XYZ color 31.8376, 56.8056, 26.7393 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 31.8376, 56.8056, 26.7393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

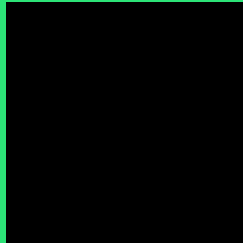
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 31.8376, 56.8056, 26.7393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.8376, 56.8056, 26.7393.



This preview shows how white text looks on a background with the XYZ color 31.8376, 56.8056,



# 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

31.8376, 56.8056, 26.7393

### Protanopia

50.9919, 55.6141, 22.2344

### Deuteranopia

56.5377, 55.3843, 28.4793



## Tritanopia

43.2281, 56.2990, 84.9324

# Trichromacy



## Original Color

31.8376, 56.8056, 26.7393



## Protanomaly

38.6174, 53.0539, 23.5343



## Deuteranomaly

40.5481, 51.8287, 27.2689



## Tritanomaly

37.7160, 55.9611, 58.1040

# Monochromacy



## Original Color

31.8376, 56.8056, 26.7393



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

29.7225, 40.1769, 32.9764

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.8376, 56.8056, 26.7393 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(44, 227, 119)` looks like.

```
.text, #text, p{  
    color:rgb(44, 227, 119)  
}
```

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(44, 227, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 227, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 31.8376, 56.8056, 26.7393 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(44, 227, 119) }
```



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

```
.border{ border-color:rgb(44, 227, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 227, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 227, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 227, 119);  
box-shadow:4px 4px 4px 4px rgb(44, 227,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.8376, 56.8056, 26.7393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 227, 119) }
```

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

```
.background{ background-color: rgb(44, 227,  
119) }
```

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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