

# Converting Colors

XYZ(31.7676, 56.4010, 21.4381)

Have a look what the booklet for  
XYZ(31.7676, 56.4010, 21.4381)  
contains.

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# Color

**XYZ(31.8601, 56.5256,  
21.5433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43E265
RGB	67, 226, 101
RGB Percent	26%, 89%, 40%
CMY	0.7372, 0.1137, 0.6039
CMYK	0.70, 0.00, 0.55, 0.11
HSL	133°, 73%, 57%
HSV	133°, 70%, 89%
XYZ	31.8601, 56.5256, 21.5433
YIQ	164.2090, -54.6390, -72.5830

# Conversions

## Conversions Part 2

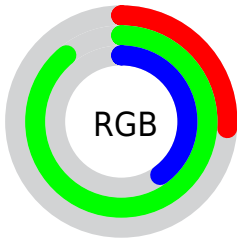
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 198, 226
Decimal	4448869
CIELab	79.91, -66.09, 48.82
CIELCh	80, 82.165, 143.543
Yxy	56.5256, 0.2898, 0.5142
Android (android.graphics.Color)	4282638949 (0xFF43E265)
YUV	164.2090, -31.1620, -85.2523
Hunter-Lab	75.1835, -55.9292, 35.6393

# Details

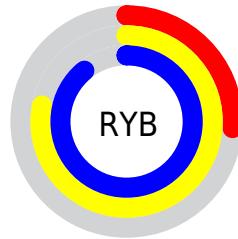
The XYZ color **31.8601, 56.5256, 21.5433** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **42.8873, 23.9898, 52.2407**, and the grayscale version is **35.5500, 37.4013, 40.7301**.

A 20% lighter version of the original color is **51.6681, 79.0375, 43.5429**, and **14.7215, 28.5893, 7.5387** is the 20% darker color. If you saturate the color by 10%, you get **29.8240, 55.5675, 17.3852**, and if you desaturate by 10%, it is **34.6914, 57.8751, 26.7234**.

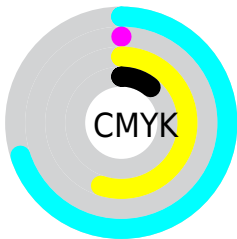
# Distribution



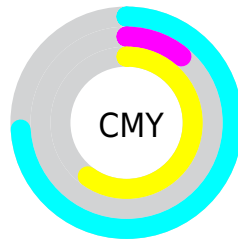
- Red (26%)
- Green (89%)
- Blue (40%)



- Red (26%)
- Yellow (78%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (55%)
- Black (11%)




- Cyan (74%)
- Magenta (11%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8601, 56.5256, 21.5433 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 31.8601, 56.5256, 21.5433 by changing the saturation by 10% instead.





 31.8601, 56.5256,  
21.5433


 31.8601, 56.5256,  
21.5433


302.2381,  
411.6693, 273.0272

 21.4097, 40.6245,  
13.3266


 61.9584, 99.7726,  
46.8825


 13.5380, 28.0258,  
7.5205


 82.3370, 127.8874,  
64.8420

 7.8796, 18.3451,  
3.7063


 106.7557,  
160.8421, 86.8863

 4.0691, 11.1980,  
1.4657

 135.5798,  
199.0212, 113.4338

 1.7413, 6.2002,  
0.1922

169.1748,  
242.8090, 144.9031

 0.4819, 2.9672,  
0.0000

207.9059,

 0.0000, 1.1146,

292.5901, 181.7128

0.0000

252.1386,  
348.7487, 224.2813

■ 0.0000, 0.0000,  
0.0000

■ 31.8601, 56.5256,  
21.5433

■ 31.8601, 56.5256,  
21.5433

■ 29.8240, 55.5675,  
17.3852

■ 34.6914, 57.8751,  
26.7234

■ 28.4917, 54.9503,  
14.1773


■ 38.3877, 59.6459,  
32.9833


■ 27.7378, 54.6110,  
11.9112


■ 43.0158, 61.8728,  
40.3811


■ 48.6344, 64.5851,  
48.9696

■ 55.2977, 67.8095,  
58.7981

 63.0555, 71.5708,  
69.9134

 71.9547, 75.8922,  
82.3595

 82.0392, 80.7955,  
96.1787

 86.4875, 82.8749,  
106.0458

# Harmonies

## Analogous

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



41.9192, 56.5256, 9.9351



31.8601, 56.5256, 21.5433



27.7676, 56.5256, 51.7957

# Triad

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



31.8601, 56.5256, 21.5433



50.2035, 56.5256, 205.1221



88.7690, 56.5256, 31.6930

# Complementary

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



31.8601, 56.5256, 21.5433



42.8873, 23.9898, 52.2407

# 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.



92.2565, 56.5256, 72.4508



31.8601, 56.5256, 21.5433



67.5642, 56.5256, 189.7807

# Square

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



31.8601, 56.5256, 21.5433



36.8504, 56.5256, 168.7527



83.8290, 56.5256, 133.7412



75.0974, 56.5256, 13.3183



# Rectangle

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



31.8601, 56.5256, 21.5433



28.2128, 56.5256, 85.6277



83.8290, 56.5256, 133.7412



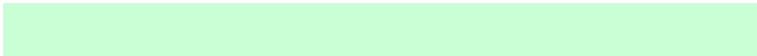
91.2741, 56.5256, 42.4655

# Sweetspot

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



31.8615, 56.5279, 21.5446



71.9663, 88.7991, 76.2321



50.5111, 66.2965, 15.4448



14.8588, 18.7428, 15.5200



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.



31.8615, 56.5279, 21.5446



38.3707, 72.6690, 20.9367



37.5787, 58.8148, 51.6512



13.6481, 15.3850, 15.1823



15.8594, 31.1686, 6.9825



1.1322, 2.1736, 0.6574



# Inverse Universe

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



42.8873, 23.9898, 52.2407



53.5588, 27.4452, 62.9226



36.4500, 21.4149, 18.3425



14.1629, 13.8828, 16.6282



22.5041, 11.0687, 25.1184

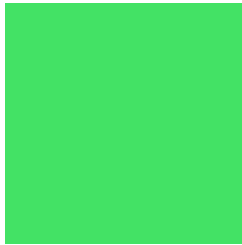


1.5915, 0.7799, 1.9079



# Previews

## White Background



This preview shows how the XYZ color 31.8601, 56.5256, 21.5433 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 31.8601, 56.5256, 21.5433 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

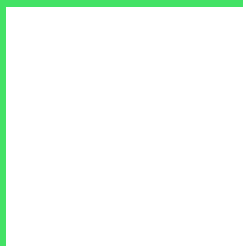
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.8601, 56.5256, 21.5433**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.8601, 56.5256, 21.5433.



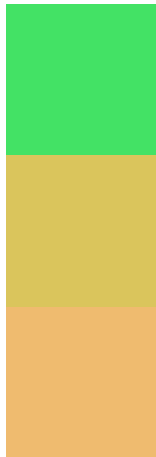
This preview shows how white text looks on a background with the XYZ color 31.8601, 56.5256,



# 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

31.8601, 56.5256, 21.5433

### Protanopia

50.8115, 55.6106, 18.1811

### Deuteranopia

56.2362, 55.0391, 22.6986



## Tritanopia

44.0108, 55.9883, 83.3501

# Trichromacy



## Original Color

31.8601, 56.5256, 21.5433



## Protanomaly

39.7257, 53.7245, 19.1026



## Deuteranomaly

41.4450, 52.0649, 21.7751



## Tritanomaly

37.8743, 55.3718, 53.4914

# Monochromacy



## Original Color

31.8601, 56.5256, 21.5433



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

31.6313, 42.1309, 31.6642

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.8601, 56.5256, 21.5433 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(67, 226, 101)` looks like.

```
.text, #text, p{  
    color:rgb(67, 226, 101)  
}
```

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(67, 226, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 226, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 31.8601, 56.5256, 21.5433 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(67, 226, 101) }
```



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

```
.border{ border-color:rgb(67, 226, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 226, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 226, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 226, 101);  
box-shadow:4px 4px 4px 4px rgb(67, 226,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.8601, 56.5256, 21.5433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 226, 101) }
```

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

```
.background{ background-color: rgb(67, 226,  
101) }
```

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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