

# Converting Colors

XYZ(31.3592, 56.2894, 20.6125)

Have a look what the booklet for  
XYZ(31.3592, 56.2894, 20.6125)  
contains.

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# Color

**XYZ(31.3406, 56.2799,  
20.5206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EE261
RGB	62, 226, 97
RGB Percent	24%, 89%, 38%
CMY	0.7569, 0.1137, 0.6196
CMYK	0.73, 0.00, 0.57, 0.11
HSL	133°, 74%, 56%
HSV	133°, 73%, 89%
XYZ	31.3406, 56.2799, 20.5206
YIQ	162.2580, -56.3350, -74.8870

# Conversions

## Conversions Part 2

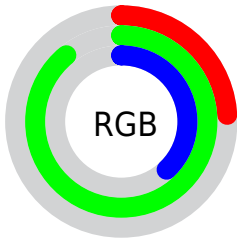
Format	Color
<a href="#">RYB</a>	<a href="#">62, 197, 226</a>
Decimal	<a href="#">4121185</a>
CIELab	<a href="#">79.77, -67.38, 50.46</a>
CIELCh	<a href="#">80, 84.182, 143.174</a>
Yxy	<a href="#">56.2799, 0.2898, 0.5204</a>
Android (android.graphics.Color)	<a href="#">4282311265</a> ( <a href="#">0xFF3EE261</a> )
YUV	<a href="#">162.2580, -32.1722, -87.9263</a>
Hunter-Lab	<a href="#">75.0199, -56.7141, 36.2960</a>

# Details

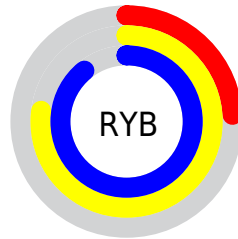
The XYZ color **31.3406, 56.2799, 20.5206** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed spring green. A complement of this color would be **42.4921, 23.3764, 51.5633**, and the grayscale version is **34.6300, 36.4334, 39.6760**.

A 20% lighter version of the original color is **50.7060, 78.5797, 41.7731**, and **14.6426, 28.5578, 7.1233** is the 20% darker color. If you saturate the color by 10%, you get **29.4690, 55.4019, 16.5810**, and if you desaturate by 10%, it is **33.9896, 57.5404, 25.4685**.

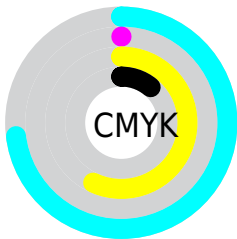
# Distribution



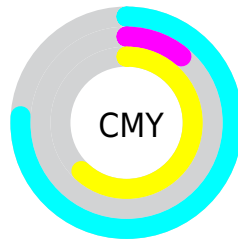
- Red (24%)
- Green (89%)
- Blue (38%)



- Red (24%)
- Yellow (77%)
- Blue (89%)



- Cyan (73%)
- Magenta (0%)
- Yellow (57%)
- Black (11%)



- Cyan (76%)
- Magenta (11%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3406, 56.2799, 20.5206 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 31.3406, 56.2799, 20.5206 by changing the saturation by 10% instead.



31.3406, 56.2799,  
20.5206

31.3406, 56.2799,  
20.5206

299.9033,  
410.7455, 267.4165

21.0114, 40.4274,  
12.5862

61.1481, 99.4137,  
45.1587

13.2449, 27.8719,  
7.0169

81.3572, 127.4638,  
62.6995

7.6755, 18.2291,  
3.3940

105.5903,  
160.3485, 84.2795

3.9381, 11.1146,  
1.2992

134.2127,  
198.4522, 110.3172

1.6672, 6.1440,  
0.0611

167.5899,  
242.1594, 141.2312

0.4356, 2.9328,  
0.0000

206.0872,

0.0000, 1.0968,

291.8544, 177.4401

0.0000

250.0699,  
347.9216, 219.3623

■ 0.0000, 0.0000,  
0.0000

■ 31.3406, 56.2799,  
20.5206

■ 31.3406, 56.2799,  
20.5206

■ 29.4690, 55.4019,  
16.5810

■ 33.9896, 57.5404,  
25.4685

■ 28.2796, 54.8540,  
13.5761


■ 37.4883, 59.2145,  
31.4841


■ 27.7358, 54.6103,  
11.9009


■ 41.9050, 61.3379,  
38.6263


■ 47.3001, 63.9405,  
46.9489

■ 53.7283, 67.0496,  
56.5021

 61.2406, 70.6904,  
67.3331

 69.8844, 74.8864,  
79.4868

 79.7043, 79.6597,  
93.0057

 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.



41.6202, 56.2799, 9.1917



31.3406, 56.2799, 20.5206



27.1344, 56.2799, 50.8008

# Triad

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



31.3406, 56.2799, 20.5206



49.6962, 56.2799, 209.3903



89.5694, 56.2799, 31.3021

# Complementary

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



31.3406, 56.2799, 20.5206



42.4921, 23.3764, 51.5633

# 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.



93.0086, 56.2799, 73.1077



31.3406, 56.2799, 20.5206



67.4314, 56.2799, 194.1291

# Square

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



31.3406, 56.2799, 20.5206



36.1771, 56.2799, 171.0783



84.1958, 56.2799, 136.3699



75.6027, 56.2799, 12.7088



# Rectangle

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



31.3406, 56.2799, 20.5206



27.5366, 56.2799, 85.2167



84.1958, 56.2799, 136.3699



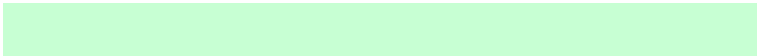
92.1017, 56.2799, 42.3052

# Sweetspot

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



31.3420, 56.2822, 20.5219



71.0287, 88.3452, 74.8535



50.1112, 66.1069, 14.6763



14.6760, 18.6544, 15.2486



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.



31.3420, 56.2822, 20.5219



37.8585, 72.4324, 19.6720



37.1003, 58.5856, 50.8449



13.6479, 15.3849, 15.1810



15.8582, 31.1681, 6.9764



1.1321, 2.1736, 0.6568



# Inverse Universe

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



42.4921, 23.3764, 51.5633



53.1303, 26.8930, 61.8401



35.9683, 20.7669, 17.2099



14.1632, 13.8829, 16.6295



22.5095, 11.0708, 25.1463

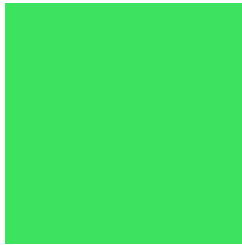


1.5919, 0.7800, 1.9096



# Previews

## White Background



This preview shows how the XYZ color 31.3406, 56.2799, 20.5206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

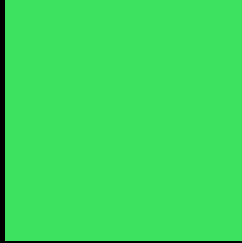
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.3406, 56.2799, 20.5206 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

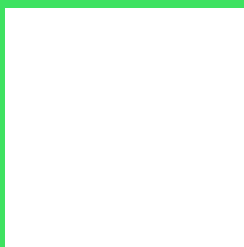
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.3406, 56.2799, 20.5206**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.3406, 56.2799, 20.5206.



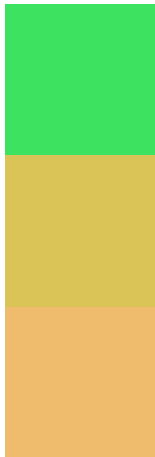
This preview shows how white text looks on a background with the XYZ color 31.3406, 56.2799,



# 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

31.3406, 56.2799, 20.5206

### Protanopia

50.4148, 55.0899, 17.2088

### Deuteranopia

56.0737, 54.9741, 21.8430



## Tritanopia

43.5120, 55.7474, 82.5957

# Trichromacy



## Original Color

31.3406, 56.2799, 20.5206



## Protanomaly

38.8991, 52.9580, 18.0693



## Deuteranomaly

41.0645, 51.8867, 20.9475



## Tritanomaly

37.2732, 55.0858, 52.3842

# Monochromacy



## Original Color

31.3406, 56.2799, 20.5206



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

30.5406, 40.9685, 30.3428

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.3406, 56.2799, 20.5206 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, 226, 97)` looks like.

```
.text, #text, p{  
    color:rgb(62, 226, 97)  
}
```

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, 226, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 226, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 31.3406, 56.2799, 20.5206 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, 226, 97) }
```



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

```
.border{ border-color:rgb(62, 226, 97) }
```

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

Here you see how a box with a 4 pixel rgb(62, 226, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 226, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 226, 97);  
box-shadow:4px 4px 4px 4px rgb(62, 226,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.3406, 56.2799, 20.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 226, 97) }
```

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

```
.background{ background-color: rgb(62, 226,  
97) }
```

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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