

# Converting Colors

XYZ(32.5620, 56.1975, 29.0055)

Have a look what the booklet for  
XYZ(32.5620, 56.1975, 29.0055)  
contains.

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# Color

**XYZ(32.6156, 56.3489,  
28.8961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DE17E
RGB	61, 225, 126
RGB Percent	24%, 88%, 49%
CMY	0.7608, 0.1176, 0.5059
CMYK	0.73, 0.00, 0.44, 0.12
HSL	144°, 73%, 56%
HSV	144°, 73%, 88%
XYZ	32.6156, 56.3489, 28.8961
YIQ	164.6780, -65.9650, -65.5570

# Conversions

## Conversions Part 2

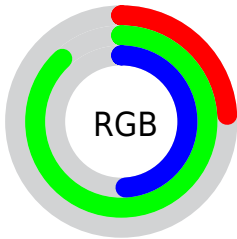
Format	Color
<a href="#">RYB</a>	<a href="#">61, 178, 225</a>
Decimal	<a href="#">4055422</a>
<a href="#">CIELab</a>	<a href="#">79.81, -62.93, 36.67</a>
<a href="#">CIELCh</a>	<a href="#">80, 72.834, 149.772</a>
<a href="#">Yxy</a>	<a href="#">56.3489, 0.2767, 0.4781</a>
Android (android.graphics.Color)	<a href="#">4282245502</a> ( <a href="#">0xFF3DE17E</a> )
<a href="#">YUV</a>	<a href="#">164.6780, -19.0683, -90.9256</a>
<a href="#">Hunter-Lab</a>	<a href="#">75.0659, -53.8084, 29.7229</a>

# Details

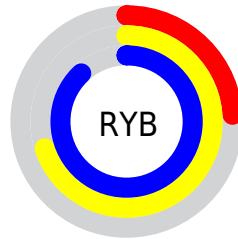
The XYZ color **32.6156, 56.3489, 28.8961** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle washed spring green. A complement of this color would be **39.0670, 21.8842, 35.4247**, and the grayscale version is **35.7223, 37.5826, 40.9275**.

A 20% lighter version of the original color is **53.2041, 79.5611, 55.7327**, and **15.2726, 28.5133, 11.3553** is the 20% darker color. If you saturate the color by 10%, you get **30.6924, 55.4535, 24.5381**, and if you desaturate by 10%, it is **35.2413, 57.5958, 33.9107**.

# Distribution



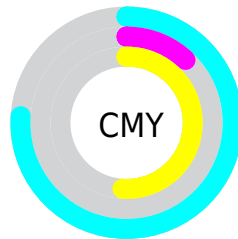
- Red (24%)
- Green (88%)
- Blue (49%)



- Red (24%)
- Yellow (70%)
- Blue (88%)



- Cyan (73%)
- Magenta (0%)
- Yellow (44%)
- Black (12%)




- Cyan (76%)
- Magenta (12%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6156, 56.3489, 28.8961 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 32.6156, 56.3489, 28.8961 by changing the saturation by 10% instead.





 32.6156, 56.3489,  
28.8961


 32.6156, 56.3489,  
28.8961


305.6097,  
411.0050, 310.7700


 21.9900, 40.4827,  
18.7573


 63.1336, 99.5145,  
58.9522


 13.9661, 27.9151,  
11.3200


 83.7567, 127.5828,  
79.7066

 8.1786, 18.2617,  
6.1657


 108.4430,  
160.4871, 104.8366

 4.2622, 11.1380,  
2.8757

 137.5578,  
198.6121, 134.7608

 1.8515, 6.1598,  
1.0315

171.4666,  
242.3419, 169.8977

 0.5484, 2.9425,  
0.0000

210.5346,

 0.0000, 1.1018,

292.0611, 210.6658

0.0000

255.1272,  
348.1540, 257.4837

■ 0.0000, 0.0000,  
0.0000

■ 32.6156, 56.3489,  
28.8961

■ 32.6156, 56.3489,  
28.8961

■ 30.6924, 55.4535,  
24.5381

■ 35.2413, 57.5958,  
33.9107

■ 29.3844, 54.8605,  
20.8041


■ 38.6343, 59.2224,  
39.6047


■ 28.7369, 54.5768,  
18.5101


■ 42.8565, 61.2618,  
46.0045


■ 47.9619, 63.7412,  
53.1337

■ 54.0000, 66.6858,  
61.0151

 61.0163, 70.1185,  
69.6700

 69.0533, 74.0609,  
79.1191

 78.1510, 78.5332,  
89.3824

 85.1479, 81.9052,  
100.3292

# Harmonies

## Analogous

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



40.6835, 56.3489, 14.4318



32.6156, 56.3489, 28.8961



29.9252, 56.3489, 61.0324

# Triad

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



32.6156, 56.3489, 28.8961



53.4454, 56.3489, 183.5465



82.1117, 56.3489, 29.2356

# Complementary

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



32.6156, 56.3489, 28.8961



39.0670, 21.8842, 35.4247

# 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.



87.1855, 56.3489, 61.6775



32.6156, 56.3489, 28.8961



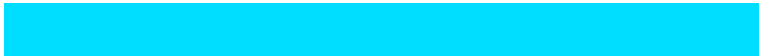
68.8967, 56.3489, 162.1941

# Square

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



32.6156, 56.3489, 28.8961



40.5213, 56.3489, 161.5781



81.9620, 56.3489, 111.9500



69.1278, 56.3489, 14.5551



# Rectangle

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



32.6156, 56.3489, 28.8961



31.0727, 56.3489, 93.1054



81.9620, 56.3489, 111.9500



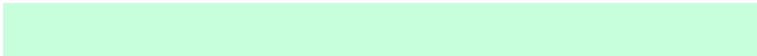
84.8943, 56.3489, 37.7925

# Sweetspot

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



32.6170, 56.3512, 28.8974



72.3557, 88.8761, 81.8419



42.6968, 61.8853, 14.1100



14.9858, 18.7783, 16.8798



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.



32.6170, 56.3512, 28.8974



39.8480, 73.2282, 30.1483



39.9758, 59.2947, 67.6482



13.7527, 15.4268, 15.7328



16.6127, 31.4699, 10.9494



1.1947, 2.1986, 0.9866



# Inverse Universe

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



39.0670, 21.8842, 35.4247



48.7698, 25.1488, 38.8782



34.1745, 19.9272, 9.6611



14.0530, 13.8388, 16.0490



20.5059, 10.2694, 14.5956

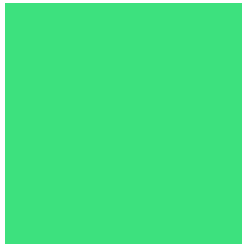


1.4651, 0.7293, 1.2421



# Previews

## White Background



This preview shows how the XYZ color 32.6156, 56.3489, 28.8961 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 32.6156, 56.3489, 28.8961 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 32.6156, 56.3489, 28.8961**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.6156, 56.3489, 28.8961.



This preview shows how white text looks on a background with the XYZ color 32.6156, 56.3489,



# 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

32.6156, 56.3489, 28.8961

### Protanopia

50.8588, 55.1647, 24.1870

### Deuteranopia

56.2881, 55.2081, 30.6112



## Tritanopia

43.4440, 56.0684, 83.3954

# Trichromacy



## Original Color

32.6156, 56.3489, 28.8961



## Protanomaly

39.9407, 53.3285, 25.6411



## Deuteranomaly

41.8461, 52.0972, 29.6800



## Tritanomaly

38.1650, 55.4099, 58.5528

# Monochromacy



## Original Color

32.6156, 56.3489, 28.8961



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

32.1086, 42.2870, 35.7481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.6156, 56.3489, 28.8961 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(61, 225, 126)` looks like.

```
.text, #text, p{  
    color:rgb(61, 225, 126)  
}
```

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(61, 225, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 225, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 32.6156, 56.3489, 28.8961 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(61, 225, 126) }
```



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

```
.border{ border-color:rgb(61, 225, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 225, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 225, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 225, 126);  
box-shadow:4px 4px 4px 4px rgb(61, 225,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.6156, 56.3489, 28.8961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 225, 126) }
```

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

```
.background{ background-color: rgb(61, 225,  
126) }
```

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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