

Converting Colors

XYZ(33.6360, 57.6632, 29.2117)

Have a look what the booklet for
XYZ(33.6360, 57.6632, 29.2117)
contains.

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Color

**XYZ(33.6189, 57.6735,
29.0989)**

Conversions

Conversions Part 1

Format	Color
Hex	44E37E
RGB	68, 227, 126
RGB Percent	27%, 89%, 49%
CMY	0.7333, 0.1098, 0.5059
CMYK	0.70, 0.00, 0.44, 0.11
HSL	142°, 74%, 58%
HSV	142°, 70%, 89%
XYZ	33.6189, 57.6735, 29.0989
YIQ	167.9450, -62.3430, -65.1190

Conversions

Conversions Part 2

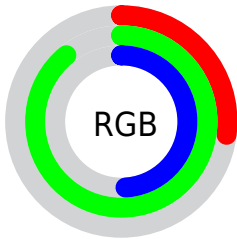
Format	Color
RYB	68, 185, 227
Decimal	4514686
CIELab	80.56, -62.59, 37.65
CIELCh	81, 73.041, 148.970
Yxy	57.6735, 0.2792, 0.4791
Android (android.graphics.Color)	4282704766 (0xFF44E37E)
YUV	167.9450, -20.6789, -87.6518
Hunter-Lab	75.9431, -53.8810, 30.4422

Details

The XYZ color **33.6189, 57.6735, 29.0989** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **40.9089, 23.3308, 39.8852**, and the grayscale version is **37.3140, 39.2572, 42.7511**.

A 20% lighter version of the original color is **53.9899, 79.9662, 55.7695**, and **15.6447, 29.2575, 11.4793** is the 20% darker color. If you saturate the color by 10%, you get **31.4672, 56.6657, 24.4869**, and if you desaturate by 10%, it is **36.5202, 59.0554, 34.4487**.

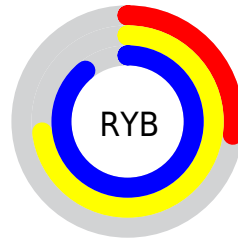
Distribution



Red (27%)

Green (89%)

Blue (49%)



Red (27%)

Yellow (73%)

Blue (89%)

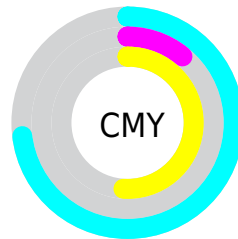


Cyan (70%)

Magenta (0%)

Yellow (44%)

Black (11%)



Cyan (73%)


Magenta (11%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6189, 57.6735, 29.0989 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 33.6189, 57.6735, 29.0989 by changing the saturation by 10% instead.


 33.6189, 57.6735,
29.0989


 33.6189, 57.6735,
29.0989


310.0453,
415.9682, 311.7568


 22.7625, 41.5462,
18.9094


 64.6888, 101.4472,
59.2782


 14.5380, 28.7461,
11.4287


 85.6330, 129.8625,
80.1052

 8.5800, 18.8889,
6.2382


 110.6706,
163.1425, 105.3150

 4.5231, 11.5900,
2.9193

 140.1668,
201.6717, 135.3263

 2.0021, 6.4652,
1.0536

174.4870,
245.8345, 170.5576

 0.6352, 3.1299,
0.0000

213.9966,

 0.0000, 1.1999,

296.0153, 211.4275

0.0000

259.0609,
352.5984, 258.3543

■ 0.0000, 0.0617,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.6189, 57.6735,
29.0989

■ 33.6189, 57.6735,
29.0989

■ 31.4672, 56.6657,
24.4869

■ 36.5202, 59.0554,
34.4487


■ 29.9798, 55.9840,
20.5751


■ 40.2354, 60.8392,
40.5635


■ 29.0240, 55.5619,
17.3392


■ 44.8265, 63.0578,
47.4741


■ 50.3479, 65.7387,
55.2081

 56.8496, 68.9072,
63.7918

 64.3779, 72.5866,
73.2505

 72.9760, 76.7987,
83.6081

 82.6846, 81.5641,
94.8878

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



41.9928, 57.6735, 14.6894



33.6189, 57.6735, 29.0989



30.7280, 57.6735, 61.3224

Triad

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



33.6189, 57.6735, 29.0989



54.2997, 57.6735, 186.9922



84.1417, 57.6735, 30.6675

Complementary

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



33.6189, 57.6735, 29.0989



40.9089, 23.3308, 39.8852

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.



89.0326, 57.6735, 64.2944



33.6189, 57.6735, 29.0989



70.0175, 57.6735, 166.4180

Square

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



33.6189, 57.6735, 29.0989



41.2449, 57.6735, 163.5885



83.4531, 57.6735, 115.7674



71.0808, 57.6735, 15.2608

Rectangle

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



33.6189, 57.6735, 29.0989



31.8028, 57.6735, 93.6797



83.4531, 57.6735, 115.7674



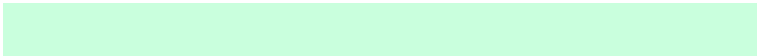
86.8906, 57.6735, 39.5778

Sweetspot

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



33.6204, 57.6759, 29.1002



73.0175, 89.2196, 81.7680



45.3854, 64.0555, 15.4411



15.1058, 18.8416, 16.8202



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.



33.6204, 57.6759, 29.1002



39.9924, 73.3177, 29.4764



40.6521, 60.4886, 66.1289



14.4055, 16.1756, 16.4003



16.9775, 32.4231, 10.3817



1.2980, 2.4133, 0.9959

Inverse Universe

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



40.9089, 23.3308, 39.8852



49.9484, 26.0010, 43.9103



35.6724, 21.2363, 12.3104



14.7603, 14.5213, 16.9384



21.4775, 10.7252, 16.6755



1.6314, 0.8103, 1.4653

Previews

White Background



This preview shows how the XYZ color 33.6189, 57.6735, 29.0989 looks on a white background.

Color Contrast Check

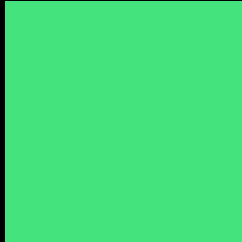
Large Text (above 18pt) WCAG AA × Fail

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 33.6189, 57.6735, 29.0989 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 33.6189, 57.6735, 29.0989

Background



This preview shows how black text looks on a background with the XYZ color 33.6189, 57.6735, 29.0989.

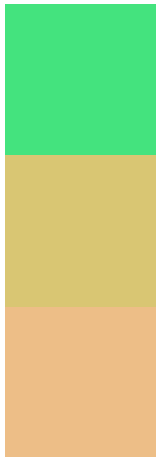


This preview shows how white text looks on a background with the XYZ color 33.6189, 57.6735,

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

33.6189, 57.6735, 29.0989

Protanopia

51.9039, 56.3777, 24.3660

Deuteranopia

57.7117, 56.5807, 30.8011



Tritanopia

44.6916, 57.4303, 85.0736

Trichromacy



Original Color

33.6189, 57.6735, 29.0989



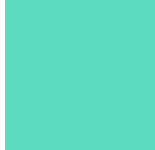
Protanomaly

41.2345, 54.7194, 25.8414



Deuteranomaly

43.4253, 53.6079, 29.8884



Tritanomaly

39.3708, 56.7886, 59.3383

Monochromacy



Original Color

33.6189, 57.6735, 29.0989



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.4631, 43.6006, 36.7891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6189, 57.6735, 29.0989 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(68, 227, 126)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 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(68, 227, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 126) }
```

Border

The CSS property to change the border of an element to XYZ 33.6189, 57.6735, 29.0989 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(68, 227, 126) }
```


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

```
.border{ border-color:rgb(68, 227, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 227, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 126);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6189, 57.6735, 29.0989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 126) }
```

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

```
.background{ background-color: rgb(68, 227,  
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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