

Converting Colors

XYZ(33.5849, 55.9216, 34.6150)

Have a look what the booklet for
XYZ(33.5849, 55.9216, 34.6150)
contains.

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Color

**XYZ(33.5849, 55.9216,
34.6150)**

Conversions

Conversions Part 1

Format	Color
Hex	43DF8E
RGB	67, 223, 142
RGB Percent	26%, 87%, 56%
CMY	0.7372, 0.1255, 0.4431
CMYK	0.70, 0.00, 0.36, 0.13
HSL	149°, 71%, 57%
HSV	149°, 70%, 87%
XYZ	33.5849, 55.9216, 34.6150
YIQ	167.1220, -66.9750, -58.2630

Conversions

Conversions Part 2

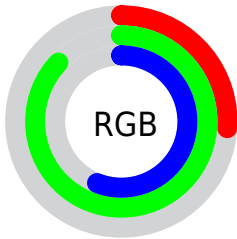
Format	Color
RYB	67, 172, 223
Decimal	4448142
CIELab	79.57, -58.45, 28.27
CIELCh	80, 64.930, 154.185
Yxy	55.9216, 0.2706, 0.4505
Android (android.graphics.Color)	4282638222 (0xFF43DF8E)
YUV	167.1220, -12.3851, -87.8070
Hunter-Lab	74.7807, -50.6999, 24.9020

Details

The XYZ color **33.5849, 55.9216, 34.6150** 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 **37.7857, 21.8416, 30.2436**, and the grayscale version is **36.8733, 38.7936, 42.2462**.

A 20% lighter version of the original color is **55.3967, 80.4921, 64.8414**, and **15.7070, 28.3928, 14.5500** is the 20% darker color. If you saturate the color by 10%, you get **31.5156, 54.9516, 30.2140**, and if you desaturate by 10%, it is **36.3357, 57.2355, 39.5219**.

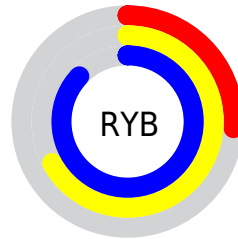
Distribution



Red (26%)

Green (87%)

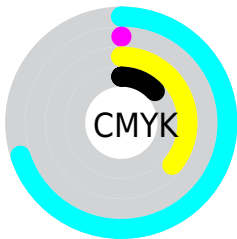
Blue (56%)



Red (26%)

Yellow (67%)

Blue (87%)

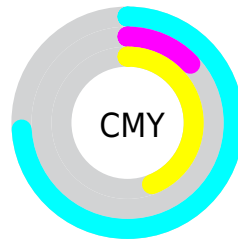


Cyan (70%)

Magenta (0%)

Yellow (36%)

Black (13%)



Cyan (74%)


Magenta (13%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5849, 55.9216, 34.6150 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 33.5849, 55.9216, 34.6150 by changing the saturation by 10% instead.

 33.5849, 55.9216,
34.6150


 33.5849, 55.9216,
34.6150


309.8957,
409.3960, 337.7182


 22.7363, 40.1401,
23.0853


 64.6362, 98.8899,
68.0337


 14.5185, 27.6478,
14.4506


 85.5696, 126.8455,
90.7598

 8.5663, 18.0603,
8.2924


 110.5953,
159.6279, 118.0550

 4.5142, 10.9933,
4.1922

 140.0787,
197.6216, 150.3380

 1.9970, 6.0623,
1.7314

174.3850,
241.2108, 188.0273

 0.6323, 2.8830,
0.3821

213.8798,

 0.0000, 1.0710,

290.7800, 231.5414

0.0000

258.9282,
346.7136, 281.2988

■ 0.0000, 0.0000,
0.0000

■ 33.5849, 55.9216,
34.6150

■ 33.5849, 55.9216,
34.6150

■ 31.5156, 54.9516,
30.2140

■ 36.3357, 57.2355,
39.5219

■ 30.0489, 54.2807,
26.2971

■ 39.8268, 58.9187,
44.9475


■ 29.0578, 53.8451,
22.8446


■ 44.1150, 61.0019,
50.9087


■ 29.0536, 53.8433,
22.8297


■ 49.2504, 63.5104,
57.4206

■ 55.2785, 66.4677,
64.4975

 62.2419, 69.8952,
72.1532

 70.1799, 73.8131,
80.4009

 79.1299, 78.2403,
89.2534

 84.2964, 80.7044,
98.4971

Harmonies

Analogous

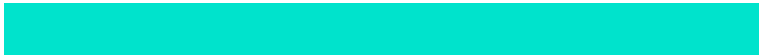
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2438, 55.9216, 18.6454



33.5849, 55.9216, 34.6150



31.8192, 55.9216, 66.2946

Triad

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



33.5849, 55.9216, 34.6150



55.0072, 55.9216, 164.5873



76.7718, 55.9216, 28.7390

Complementary

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



33.5849, 55.9216, 34.6150



37.7857, 21.8416, 30.2436

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.



82.3654, 55.9216, 55.7857



33.5849, 55.9216, 34.6150



68.5612, 55.9216, 141.9525

Square

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



33.5849, 55.9216, 34.6150



42.9410, 55.9216, 151.3901



79.1394, 55.9216, 97.9207



64.8651, 55.9216, 16.3593

Rectangle

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



33.5849, 55.9216, 34.6150



33.3629, 55.9216, 95.3955



79.1394, 55.9216, 97.9207



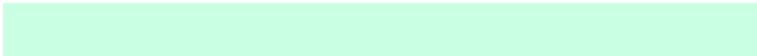
79.5341, 55.9216, 35.9042

Sweetspot

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



33.5863, 55.9239, 34.6163



73.8606, 89.5568, 86.2073



40.0171, 59.6860, 14.7222



15.3051, 18.9213, 17.8698



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.



33.5863, 55.9239, 34.6163



41.6836, 73.9942, 38.3823



41.3329, 59.0225, 75.4091



13.8019, 15.4465, 15.9919



17.1390, 31.6804, 13.7207



1.2331, 2.2139, 1.1884

Inverse Universe

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



37.7857, 21.8416, 30.2436



47.6953, 25.0998, 32.0459



33.6163, 20.1739, 8.2880



14.0029, 13.8188, 15.7857



19.7971, 9.9858, 10.8633



1.4174, 0.7102, 0.9910

Previews

White Background



This preview shows how the XYZ color 33.5849, 55.9216, 34.6150 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 33.5849, 55.9216, 34.6150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

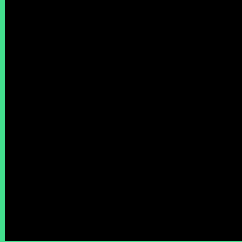
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5849, 55.9216, 34.6150

Background



This preview shows how black text looks on a background with the XYZ color 33.5849, 55.9216, 34.6150.



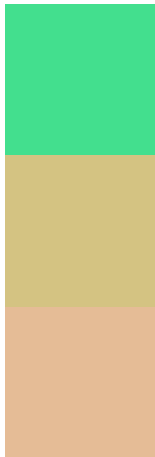
This preview shows how white text looks on a background with the XYZ color 33.5849, 55.9216,

34.6150.

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

33.5849, 55.9216, 34.6150

Protanopia

50.6957, 54.6390, 28.9935

Deuteranopia

55.8013, 54.8265, 36.4957



Tritanopia

43.0819, 55.5095, 83.3067

Trichromacy



Original Color

33.5849, 55.9216, 34.6150



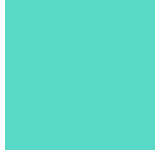
Protanomaly

40.4325, 52.7548, 30.6059



Deuteranomaly

42.7307, 52.4259, 35.4708



Tritanomaly

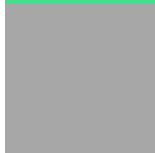
38.7734, 55.2637, 62.0495

Monochromacy



Original Color

33.5849, 55.9216, 34.6150



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.3020, 42.8346, 38.8605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5849, 55.9216, 34.6150 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, 223, 142)` looks like.

```
.text, #text, p{  
    color:rgb(67, 223, 142)  
}
```

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, 223, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 223, 142) }
```

Border

The CSS property to change the border of an element to XYZ 33.5849, 55.9216, 34.6150 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, 223, 142) }
```


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

```
.border{ border-color:rgb(67, 223, 142) }
```

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

Here you see how a box with a 4 pixel rgb(67, 223, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 223, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 223, 142);  
box-shadow:4px 4px 4px 4px rgb(67, 223,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5849, 55.9216, 34.6150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 223, 142) }
```

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

```
.background{ background-color: rgb(67, 223,  
142) }
```

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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