

Converting Colors

XYZ(33.3996, 55.3279, 28.4553)

Have a look what the booklet for
XYZ(33.3996, 55.3279, 28.4553)
contains.

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Color

**XYZ(33.3044, 55.1249,
28.2869)**

Conversions

Conversions Part 1

Format	Color
Hex	55DD7D
RGB	85, 221, 125
RGB Percent	33%, 87%, 49%
CMY	0.6667, 0.1333, 0.5098
CMYK	0.62, 0.00, 0.43, 0.13
HSL	138°, 67%, 60%
HSV	138°, 62%, 87%
XYZ	33.3044, 55.1249, 28.2869
YIQ	169.3920, -50.2400, -58.6880

Conversions

Conversions Part 2

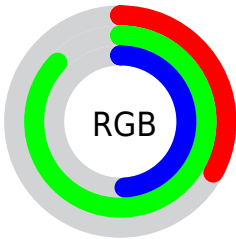
Format	Color
RYB	85, 190, 221
Decimal	5627261
CIELab	79.11, -57.47, 36.37
CIELCh	79, 68.014, 147.671
Yxy	55.1249, 0.2853, 0.4723
Android (android.graphics.Color)	4283817341 (0xFF55DD7D)
YUV	169.3920, -21.8853, -74.0118
Hunter-Lab	74.2461, -49.8615, 29.3835

Details

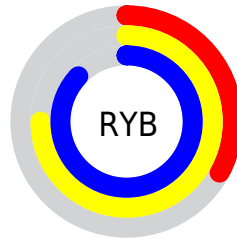
The XYZ color **33.3044, 55.1249, 28.2869** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **41.4094, 25.2063, 46.4002**, and the grayscale version is **38.0304, 40.0109, 43.5719**.

A 20% lighter version of the original color is **55.7507, 80.8857, 55.3219**, and **14.6912, 27.4047, 10.9939** is the 20% darker color. If you saturate the color by 10%, you get **30.6831, 53.8814, 23.3649**, and if you desaturate by 10%, it is **36.7114, 56.7585, 34.0652**.

Distribution



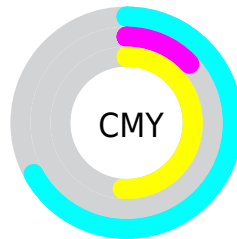
- Red (33%)
- Green (87%)
- Blue (49%)



- Red (33%)
- Yellow (75%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3044, 55.1249, 28.2869 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 33.3044, 55.1249, 28.2869 by changing the saturation by 10% instead.


 33.3044, 55.1249,
28.2869


 33.3044, 55.1249,
28.2869


308.6599,
406.3852, 307.7903


 22.5201, 39.5017,
18.3011


 64.2020, 97.7239,
57.9708


 14.3583, 27.1503,
10.9947


 85.0460, 125.4686,
78.5059

 8.4536, 17.6861,
5.9492


 109.9739,
158.0225, 103.3946

 4.4408, 10.7249,
2.7459

 139.3511,
195.7701, 133.0554

 1.9544, 5.8821,
0.9664

173.5429,
239.0958, 167.9069

 0.6082, 2.7735,
0.0000

212.9148,

 0.0000, 1.0147,

288.3839, 208.3674

0.0000

257.8320,
344.0189, 254.8557

■ 0.0000, 0.0000,
0.0000

■ 33.3044, 55.1249,
28.2869

■ 33.3044, 55.1249,
28.2869

■ 30.6831, 53.8814,
23.3649

■ 36.7114, 56.7585,
34.0652

■ 28.7756, 52.9870,
19.2541

■ 40.9595, 58.8052,
40.7345

■ 27.5027, 52.4035,
15.9111

■ 46.1037, 61.2944,
48.3318

■ 26.8117, 52.0968,
13.6440

■ 52.1932, 64.2505,
56.8911

■ 59.2733, 67.6963,
66.4448

■ 67.3866, 71.6531,
77.0234

■ 76.5729, 76.1408,
88.6564

■ 84.3221, 79.8649,
101.2527

■ 85.1475, 80.1951,
105.5992

Harmonies

Analogous

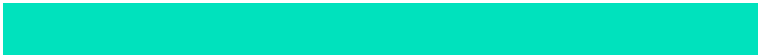
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.1935, 55.1249, 15.2011



33.3044, 55.1249, 28.2869



30.4197, 55.1249, 57.0381

Triad

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



33.3044, 55.1249, 28.2869



51.3422, 55.1249, 169.8368



79.0482, 55.1249, 31.5906

Complementary

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



33.3044, 55.1249, 28.2869



41.4094, 25.2063, 46.4002

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.



83.0075, 55.1249, 63.1074



33.3044, 55.1249, 28.2869



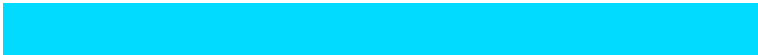
65.4616, 55.1249, 153.4307

Square

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



33.3044, 55.1249, 28.2869



39.6500, 55.1249, 147.8274



77.6626, 55.1249, 109.4727



67.6136, 55.1249, 16.4483

Rectangle

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



33.3044, 55.1249, 28.2869



31.2688, 55.1249, 85.6659



77.6626, 55.1249, 109.4727



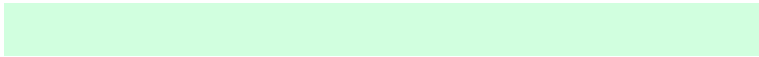
81.3753, 55.1249, 40.0858

Sweetspot

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



33.3058, 55.1272, 28.2882



75.3482, 90.3961, 83.0067



46.8999, 62.3734, 18.1619



15.5398, 19.0626, 16.9643



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.



33.3058, 55.1272, 28.2882



41.5276, 74.0889, 30.4597



39.0671, 57.4317, 58.6269



13.0433, 14.6689, 14.6909



15.6180, 30.2798, 8.1535



1.0490, 1.9766, 0.7241

Inverse Universe

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



41.4094, 25.2063, 46.4002



53.5726, 29.3383, 57.1763



36.1326, 23.0956, 18.6132



13.4427, 13.2062, 15.5924



20.8598, 10.3450, 19.4396



1.3884, 0.6850, 1.4542

Previews

White Background



This preview shows how the XYZ color 33.3044, 55.1249, 28.2869 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 33.3044, 55.1249, 28.2869 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 33.3044, 55.1249, 28.2869

Background



This preview shows how black text looks on a background with the XYZ color 33.3044, 55.1249, 28.2869.

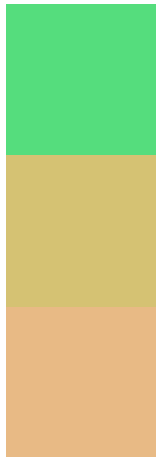


This preview shows how white text looks on a background with the XYZ color 33.3044, 55.1249,

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

33.3044, 55.1249, 28.2869

Protanopia

49.8269, 53.9675, 24.0103

Deuteranopia

55.0713, 53.9671, 29.7044



Tritanopia

43.4674, 54.6693, 80.2128

Trichromacy



Original Color

33.3044, 55.1249, 28.2869



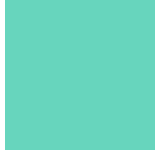
Protanomaly

40.6485, 52.6246, 25.4679



Deuteranomaly

43.0431, 52.0423, 28.8956



Tritanomaly

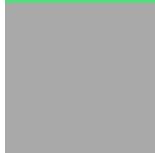
38.5731, 54.1462, 56.5624

Monochromacy



Original Color

33.3044, 55.1249, 28.2869



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.2142, 43.6696, 36.7628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3044, 55.1249, 28.2869 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(85, 221, 125)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 125)  
}
```

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(85, 221, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 125) }
```

Border

The CSS property to change the border of an element to XYZ 33.3044, 55.1249, 28.2869 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(85, 221, 125) }
```


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

```
.border{ border-color:rgb(85, 221, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 221, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 221, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 221, 125);  
box-shadow:4px 4px 4px 4px rgb(85, 221,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3044, 55.1249, 28.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 221, 125) }
```

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

```
.background{ background-color: rgb(85, 221,  
125) }
```

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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