

Converting Colors

XYZ(33.8966, 55.2885, 31.5526)

Have a look what the booklet for
XYZ(33.8966, 55.2885, 31.5526)
contains.

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Color

**XYZ(33.9058, 55.3654,
31.4538)**

Conversions

Conversions Part 1

Format	Color
Hex	55DD86
RGB	85, 221, 134
RGB Percent	33%, 87%, 53%
CMY	0.6667, 0.1333, 0.4745
CMYK	0.62, 0.00, 0.39, 0.13
HSL	142°, 67%, 60%
HSV	142°, 62%, 87%
XYZ	33.9058, 55.3654, 31.4538
YIQ	170.4180, -53.1290, -55.8890

Conversions

Conversions Part 2

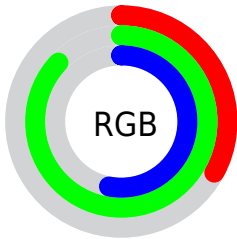
Format	Color
RYB	85, 185, 221
Decimal	5627270
CIELab	79.25, -55.96, 32.02
CIELCh	79, 64.469, 150.225
Yxy	55.3654, 0.2809, 0.4586
Android (android.graphics.Color)	4283817350 (0xFF55DD86)
YUV	170.4180, -17.9541, -74.9116
Hunter-Lab	74.4079, -48.8760, 27.0224

Details

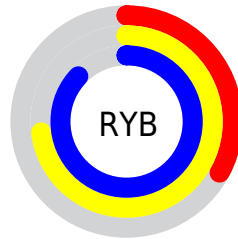
The XYZ color **33.9058, 55.3654, 31.4538** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **40.5154, 24.8487, 41.6923**, and the grayscale version is **38.5242, 40.5305, 44.1377**.

A 20% lighter version of the original color is **56.6912, 81.2618, 60.2741**, and **15.0165, 27.5348, 12.7069** is the 20% darker color. If you saturate the color by 10%, you get **31.2831, 54.1213, 26.5239**, and if you desaturate by 10%, it is **37.2896, 56.9897, 37.1099**.

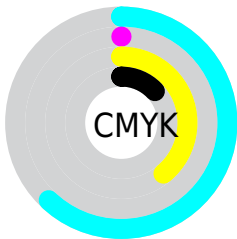
Distribution



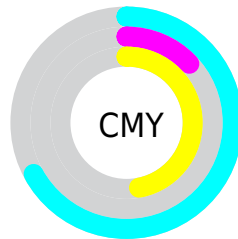
- Red (33%)
- Green (87%)
- Blue (53%)



- Red (33%)
- Yellow (73%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (39%)
- Black (13%)



- Cyan (67%)
- Magenta (13%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9058, 55.3654, 31.4538 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 33.9058, 55.3654, 31.4538 by changing the saturation by 10% instead.

■ 33.9058, 55.3654,
31.4538

■ 33.9058, 55.3654,
31.4538

311.3051,
407.2955, 323.0393

■ 22.9838, 39.6944,
20.6833

■ 65.1324, 98.0761,
63.0418

■ 14.7022, 27.3003,
12.7037

■ 86.1677, 125.8846,
84.6963

■ 8.6956, 17.7989,
7.0965

■ 111.3049,
158.5076, 110.8159

■ 4.5987, 10.8057,
3.4432

■ 140.9092,
196.3297, 141.8192

■ 2.0461, 5.9363,
1.3251

175.3460,
239.7351, 178.1246

■ 0.6596, 2.8064,
0.0823

214.9807,

■ 0.0000, 1.0315,

289.1083, 220.1507

0.0000

260.1786,
344.8336, 268.3161

■ 0.0000, 0.0000,
0.0000

■ 33.9058, 55.3654,
31.4538

■ 33.9058, 55.3654,
31.4538

■ 31.2831, 54.1213,
26.5239

■ 37.2896, 56.9897,
37.1099

■ 29.3514, 53.2173,
22.2863

■ 41.4879, 59.0165,
43.5168

■ 28.0341, 52.6160,
18.7096

■ 46.5540, 61.4744,
50.7024

■ 27.2917, 52.2887,
16.1715

■ 52.5353, 64.3872,
58.6921

■ 59.4758, 67.7772,
67.5100

■ 67.4164, 71.6649,
77.1794

■ 76.3957, 76.0699,
87.7225

■ 83.9022, 79.6968,
99.0413

■ 85.1475, 80.1950,
105.5992

Harmonies

Analogous

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



41.1047, 55.3654, 17.3946



33.9058, 55.3654, 31.4538



31.5227, 55.3654, 60.5624

Triad

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



33.9058, 55.3654, 31.4538



52.7204, 55.3654, 162.7944



77.0803, 55.3654, 31.1423

Complementary

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



33.9058, 55.3654, 31.4538



40.5154, 24.8487, 41.6923

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.



81.5086, 55.3654, 60.0055



33.9058, 55.3654, 31.4538



66.1144, 55.3654, 144.7876

Square

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



33.9058, 55.3654, 31.4538



41.2477, 55.3654, 145.2876



77.2057, 55.3654, 102.8593



65.9185, 55.3654, 17.2733

Rectangle

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



33.9058, 55.3654, 31.4538



32.6212, 55.3654, 88.3082



77.2057, 55.3654, 102.8593



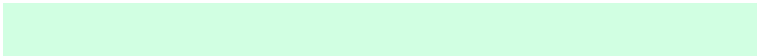
79.4799, 55.3654, 38.9204

Sweetspot

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



33.9072, 55.3677, 31.4551



75.7606, 90.5610, 85.1779



44.8201, 61.3012, 18.0648



15.6394, 19.1024, 17.4883



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.



33.9072, 55.3677, 31.4551



42.3502, 74.4180, 34.7914



40.1000, 57.8448, 64.0659



13.0794, 14.6834, 14.8811



15.9030, 30.3938, 9.6544



1.0707, 1.9852, 0.8383

Inverse Universe

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



40.5154, 24.8487, 41.6923



52.1768, 28.7800, 49.8260



35.6392, 22.8983, 16.0146



13.4049, 13.1911, 15.3935



20.1873, 10.0760, 15.8982



1.3485, 0.6690, 1.2441

Previews

White Background



This preview shows how the XYZ color 33.9058, 55.3654, 31.4538 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 33.9058, 55.3654, 31.4538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

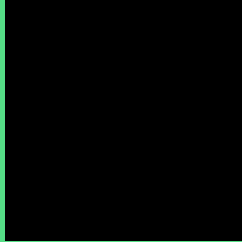
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9058, 55.3654, 31.4538

Background



This preview shows how black text looks on a background with the XYZ color 33.9058, 55.3654, 31.4538.



This preview shows how white text looks on a background with the XYZ color 33.9058, 55.3654,

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

33.9058, 55.3654, 31.4538

Protanopia

50.2416, 54.4573, 26.6022

Deuteranopia

55.6078, 54.4826, 33.1765



Tritanopia

43.7218, 55.1499, 81.0137

Trichromacy



Original Color

33.9058, 55.3654, 31.4538



Protanomaly

41.1495, 52.8250, 28.1061



Deuteranomaly

43.4437, 52.1759, 32.2073



Tritanomaly

39.2657, 54.8270, 58.9652

Monochromacy



Original Color

33.9058, 55.3654, 31.4538



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.9309, 44.3185, 38.6116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9058, 55.3654, 31.4538 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 134) }
```

Border

The CSS property to change the border of an element to XYZ 33.9058, 55.3654, 31.4538 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, 134) }
```


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

```
.border{ border-color:rgb(85, 221, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 221, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 221, 134);  
box-shadow:4px 4px 4px 4px rgb(85, 221,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9058, 55.3654, 31.4538 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, 134) }
```

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

```
.background{ background-color: rgb(85, 221,  
134) }
```

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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