

Converting Colors

XYZ(35.6785, 56.8306, 35.9464)

Have a look what the booklet for
XYZ(35.6785, 56.8306, 35.9464)
contains.

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Color

**XYZ(35.7150, 56.9933,
35.9065)**

Conversions

Conversions Part 1

Format	Color
Hex	5ADF91
RGB	90, 223, 145
RGB Percent	35%, 87%, 57%
CMY	0.6470, 0.1255, 0.4314
CMYK	0.60, 0.00, 0.35, 0.13
HSL	145°, 68%, 61%
HSV	145°, 60%, 87%
XYZ	35.7150, 56.9933, 35.9065
YIQ	174.3410, -54.2300, -52.4540

Conversions

Conversions Part 2

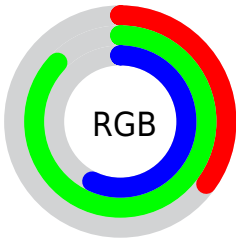
Format	Color
RYB	90, 184, 223
Decimal	5955473
CIELab	80.18, -53.74, 27.64
CIELCh	80, 60.437, 152.781
Yxy	56.9933, 0.2777, 0.4431
Android (android.graphics.Color)	4284145553 (0xFF5ADF91)
YUV	174.3410, -14.4651, -73.9671
Hunter-Lab	75.4939, -47.6687, 24.6462

Details

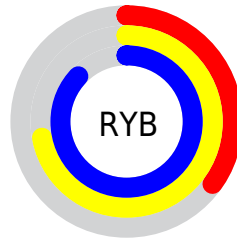
The XYZ color **35.7150, 56.9933, 35.9065** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **41.1574, 25.8288, 39.8643**, and the grayscale version is **40.5009, 42.6101, 46.4024**.

A 20% lighter version of the original color is **58.8313, 82.2228, 66.8027**, and **15.8391, 28.4456, 15.2454** is the 20% darker color. If you saturate the color by 10%, you get **32.9116, 55.6595, 30.8112**, and if you desaturate by 10%, it is **39.2880, 58.7135, 41.6464**.

Distribution



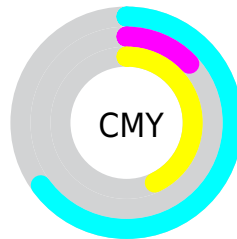
- Red (35%)
- Green (87%)
- Blue (57%)



- Red (35%)
- Yellow (72%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (13%)





- Cyan (65%)
- Magenta (13%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7150, 56.9933, 35.9065 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 35.7150, 56.9933, 35.9065 by changing the saturation by 10% instead.


 35.7150, 56.9933,
35.9065


 35.7150, 56.9933,
35.9065


319.1662,
413.4242, 343.5767


 24.3833, 40.9999,
24.0729


 67.9187, 100.4554,
70.0551


 15.7444, 28.3190,
15.1750


 89.5214, 128.6929,
93.2072

 9.4332, 18.5662,
8.7943


 115.2784,
161.7805, 120.9692

 5.0842, 11.3573,
4.5123

 145.5551,
200.1026, 153.7597

 2.3320, 6.3077,
1.9104

180.7169,
244.0436, 191.9971

 0.8110, 3.0331,
0.4993

221.1291,

 0.0000, 1.1490,

293.9880, 236.1001

0.0000

267.1571,
350.3200, 286.4871

■ 0.0000, 0.0195,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7150, 56.9933,
35.9065

■ 35.7150, 56.9933,
35.9065

■ 32.9116, 55.6595,
30.8112

■ 39.2880, 58.7135,
41.6464

■ 30.8092, 54.6726,
26.3331


■ 43.6827, 60.8419,
48.0492


■ 29.3338, 53.9965,
22.4484


■ 48.9514, 63.4066,
55.1371


■ 28.3607, 53.5674,
19.1284


■ 55.1409, 66.4313,
62.9301


 28.3300, 53.5539,
19.0190

 62.2943, 69.9379,
71.4475

 70.4522, 73.9470,
80.7075

 79.6527, 78.4777,
90.7281

 84.8262, 80.9164,
101.2872

 85.6787, 81.2574,
105.7762

Harmonies

Analogous

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



42.3286, 56.9933, 20.7039



35.7150, 56.9933, 35.9065



33.7845, 56.9933, 65.4064

Triad

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



35.7150, 56.9933, 35.9065



55.3280, 56.9933, 157.4964



76.6312, 56.9933, 32.0911

Complementary

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



35.7150, 56.9933, 35.9065



41.1574, 25.8288, 39.8643

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.



81.4483, 56.9933, 58.8220



35.7150, 56.9933, 35.9065



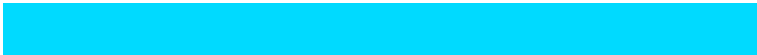
68.0373, 56.9933, 138.3707

Square

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



35.7150, 56.9933, 35.9065



44.0401, 56.9933, 144.0655



78.0888, 56.9933, 98.5535



65.7460, 56.9933, 19.1604

Rectangle

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



35.7150, 56.9933, 35.9065



35.1308, 56.9933, 92.2116



78.0888, 56.9933, 98.5535



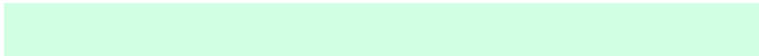
79.0826, 56.9933, 39.3162

Sweetspot

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



35.7165, 56.9956, 35.9078



76.0976, 90.6958, 86.9529



44.7694, 62.0398, 19.2889



15.7210, 19.1351, 17.9180



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.



35.7165, 56.9956, 35.9078



43.6798, 74.9915, 39.9096



42.2014, 59.5896, 70.0571



13.7626, 15.4308, 15.7853



16.7102, 31.5089, 11.4628



1.2020, 2.2015, 1.0251

Inverse Universe

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



41.1574, 25.8288, 39.8643



51.6632, 29.0753, 45.5777



36.5525, 23.9868, 15.6153



14.0427, 13.8347, 15.9952



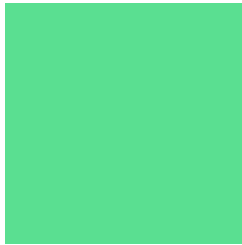
20.3509, 10.2074, 13.7797



1.4549, 0.7252, 1.1881

Previews

White Background



This preview shows how the XYZ color 35.7150, 56.9933, 35.9065 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 35.7150, 56.9933, 35.9065 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 35.7150, 56.9933, 35.9065

Background



This preview shows how black text looks on a background with the XYZ color 35.7150, 56.9933, 35.9065.



This preview shows how white text looks on a background with the XYZ color 35.7150, 56.9933,

35.9065.

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

35.7150, 56.9933, 35.9065

Protanopia

52.0009, 55.9499, 30.6129

Deuteranopia

56.9024, 55.6840, 37.8860



Tritanopia

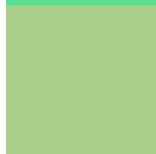
45.2796, 57.0147, 83.4814

Trichromacy



Original Color

35.7150, 56.9933, 35.9065



Protanomaly

43.0209, 54.4126, 32.2800



Deuteranomaly

45.2141, 53.6786, 36.8321



Tritanomaly

41.1851, 56.8750, 62.8401

Monochromacy



Original Color

35.7150, 56.9933, 35.9065



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.7882, 46.1833, 41.6256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7150, 56.9933, 35.9065 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(90, 223, 145)` looks like.

```
.text, #text, p{  
    color:rgb(90, 223, 145)  
}
```

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(90, 223, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 223, 145) }
```

Border

The CSS property to change the border of an element to XYZ 35.7150, 56.9933, 35.9065 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(90, 223, 145) }
```


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

```
.border{ border-color:rgb(90, 223, 145) }
```

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

Here you see how a box with a 4 pixel rgb(90, 223, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 223, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 223, 145);  
box-shadow:4px 4px 4px 4px rgb(90, 223,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7150, 56.9933, 35.9065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 223, 145) }
```

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

```
.background{ background-color: rgb(90, 223,  
145) }
```

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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