

Converting Colors

XYZ(35.8687, 56.9448, 37.5867)

Have a look what the booklet for
XYZ(35.8687, 56.9448, 37.5867)
contains.

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Color

**XYZ(35.9323, 57.0691,
37.5554)**

Conversions

Conversions Part 1

Format	Color
Hex	59DF95
RGB	89, 223, 149
RGB Percent	35%, 87%, 58%
CMY	0.6510, 0.1255, 0.4157
CMYK	0.60, 0.00, 0.33, 0.13
HSL	147°, 68%, 61%
HSV	147°, 60%, 87%
XYZ	35.9323, 57.0691, 37.5554
YIQ	174.4980, -56.1100, -51.4220

Conversions

Conversions Part 2

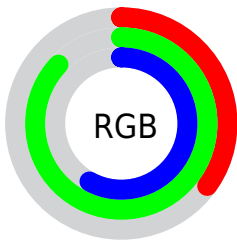
Format	Color
RYB	89, 182, 223
Decimal	5889941
CIELab	80.22, -53.20, 25.63
CIELCh	80, 59.052, 154.273
Yxy	57.0691, 0.2752, 0.4371
Android (android.graphics.Color)	4284080021 (0xFF59DF95)
YUV	174.4980, -12.5705, -74.9817
Hunter-Lab	75.5441, -47.2992, 23.4059

Details

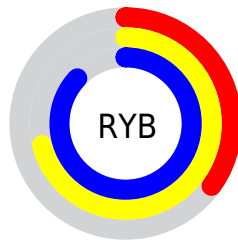
The XYZ color **35.9323, 57.0691, 37.5554** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **40.6165, 25.4783, 37.4294**, and the grayscale version is **40.5731, 42.6860, 46.4851**.

A 20% lighter version of the original color is **59.1172, 82.3158, 69.2727**, and **16.0233, 28.5193, 16.2155** is the 20% darker color. If you saturate the color by 10%, you get **33.1760, 55.7574, 32.5631**, and if you desaturate by 10%, it is **39.4435, 58.7611, 43.1284**.

Distribution



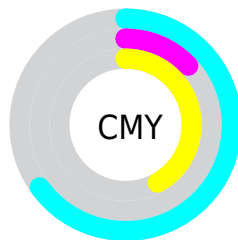
- Red (35%)
- Green (87%)
- Blue (58%)



- Red (35%)
- Yellow (71%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (33%)
- Black (13%)





- Cyan (65%)
- Magenta (13%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9323, 57.0691, 37.5554 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 35.9323, 57.0691, 37.5554 by changing the saturation by 10% instead.


 35.9323, 57.0691,
37.5554


 35.9323, 57.0691,
37.5554


320.1009,
413.7082, 350.9497


 24.5518, 41.0607,
25.3387


 68.2521, 100.5660,
72.6220


 15.8704, 28.3665,
16.1082


 89.9221, 128.8233,
96.3090

 9.5227, 18.6021,
9.4456


 115.7527,
161.9324, 124.6564

 5.1435, 11.3832,
4.9322

 146.1091,
200.2777, 158.0829

 2.3673, 6.3252,
2.1495

181.3568,
244.2435, 197.0069

 0.8288, 3.0438,
0.6450

221.8611,

 0.0000, 1.1546,

294.2142, 241.8470

0.0000

267.9874,
350.5743, 293.0218

■ 0.0000, 0.0242,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9323, 57.0691,
37.5554

■ 35.9323, 57.0691,
37.5554

■ 33.1760, 55.7574,
32.5631

■ 39.4435, 58.7611,
43.1284

■ 31.1064, 54.7865,
28.1276


■ 43.7614, 60.8549,
49.2967


■ 29.6496, 54.1203,
24.2293


■ 48.9378, 63.3787,
56.0795


■ 28.6818, 53.6947,
20.8712

■ 55.0192, 66.3560,
63.4937

 62.0482, 69.8084,
71.5556

 70.0651, 73.7564,
80.2807

 79.1073, 78.2191,
89.6843

 84.4983, 80.7853,
99.5603

 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.



42.2130, 57.0691, 21.8519



35.9323, 57.0691, 37.5554



34.2624, 57.0691, 67.2146

Triad

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



35.9323, 57.0691, 37.5554



55.9871, 57.0691, 154.5799



75.7305, 57.0691, 31.7608

Complementary

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



35.9323, 57.0691, 37.5554



40.6165, 25.4783, 37.4294

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.



80.7840, 57.0691, 57.3247



35.9323, 57.0691, 37.5554



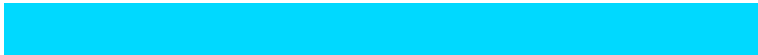
68.3643, 57.0691, 134.6853

Square

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



35.9323, 57.0691, 37.5554



44.7935, 57.0691, 143.1362



77.9074, 57.0691, 95.6235



64.9347, 57.0691, 19.4802

Rectangle

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



35.9323, 57.0691, 37.5554



35.7437, 57.0691, 93.6028



77.9074, 57.0691, 95.6235



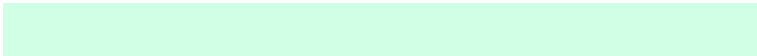
78.2243, 57.0691, 38.6574

Sweetspot

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



35.9338, 57.0714, 37.5567



76.3169, 90.7835, 88.1075



43.6959, 61.4913, 19.0177



15.7742, 19.1564, 18.1982



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.



35.9338, 57.0714, 37.5567



44.1881, 75.1948, 42.5859



42.6554, 59.7601, 72.9522



13.7826, 15.4388, 15.8903



16.9189, 31.5924, 12.5619



1.2173, 2.2077, 1.1056

Inverse Universe

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



40.6165, 25.4783, 37.4294



51.0415, 28.8266, 42.3038



36.2068, 23.7144, 14.2085



14.0224, 13.8266, 15.8883



20.0587, 10.0905, 12.2407



1.4353, 0.7174, 1.0850

Previews

White Background



This preview shows how the XYZ color 35.9323, 57.0691, 37.5554 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 35.9323, 57.0691, 37.5554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

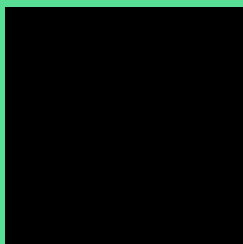
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

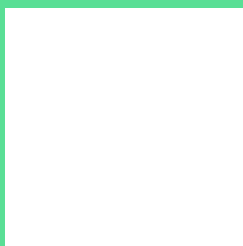
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9323, 57.0691, 37.5554

Background



This preview shows how black text looks on a background with the XYZ color 35.9323, 57.0691, 37.5554.

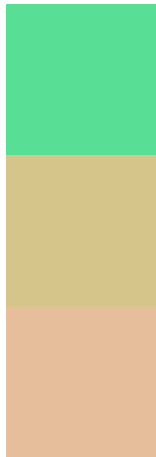


This preview shows how white text looks on a background with the XYZ color 35.9323, 57.0691,

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

35.9323, 57.0691, 37.5554

Protanopia

51.9943, 55.9136, 32.0968

Deuteranopia

57.0473, 56.0502, 39.2645



Tritanopia

45.0166, 56.8791, 83.4690

Trichromacy



Original Color

35.9323, 57.0691, 37.5554



Protanomaly

43.1022, 54.4204, 33.8237



Deuteranomaly

45.4607, 54.1247, 38.1881



Tritanomaly

41.1812, 56.8460, 64.0602

Monochromacy



Original Color

35.9323, 57.0691, 37.5554



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.2342, 46.3817, 43.0665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9323, 57.0691, 37.5554 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(89, 223, 149)` looks like.

```
.text, #text, p{  
    color:rgb(89, 223, 149)  
}
```

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(89, 223, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 223, 149) }
```

Border

The CSS property to change the border of an element to XYZ 35.9323, 57.0691, 37.5554 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(89, 223, 149) }
```


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

```
.border{ border-color:rgb(89, 223, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 223, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 223, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 223, 149);  
box-shadow:4px 4px 4px 4px rgb(89, 223,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9323, 57.0691, 37.5554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 223, 149) }
```

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

```
.background{ background-color: rgb(89, 223,  
149) }
```

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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