

Converting Colors

XYZ(34.0902, 56.2616, 36.0321)

Have a look what the booklet for
XYZ(34.0902, 56.2616, 36.0321)
contains.

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Color

**XYZ(33.9528, 56.0849,
35.8240)**

Conversions

Conversions Part 1

Format	Color
Hex	45DF91
RGB	69, 223, 145
RGB Percent	27%, 87%, 57%
CMY	0.7294, 0.1255, 0.4314
CMYK	0.69, 0.00, 0.35, 0.13
HSL	150°, 71%, 57%
HSV	150°, 69%, 87%
XYZ	33.9528, 56.0849, 35.8240
YIQ	168.0620, -66.7460, -56.9060

Conversions

Conversions Part 2

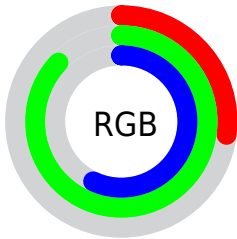
Format	Color
RYB	69, 172, 223
Decimal	4579217
CIELab	79.66, -57.56, 26.86
CIELCh	80, 63.525, 154.983
Yxy	56.0849, 0.2698, 0.4456
Android (android.graphics.Color)	4282769297 (0xFF45DF91)
YUV	168.0620, -11.3696, -86.8774
Hunter-Lab	74.8899, -50.1307, 24.0612

Details

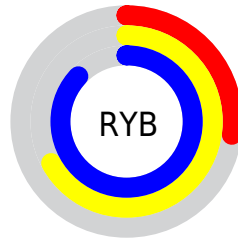
The XYZ color **33.9528, 56.0849, 35.8240** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **37.8279, 22.0521, 29.8690**, and the grayscale version is **37.3289, 39.2729, 42.7682**.

A 20% lighter version of the original color is **56.0605, 80.7944, 66.6730**, and **15.8391, 28.4456, 15.2454** is the 20% darker color. If you saturate the color by 10%, you get **31.8300, 55.0878, 31.4026**, and if you desaturate by 10%, it is **36.7592, 57.4274, 40.7319**.

Distribution



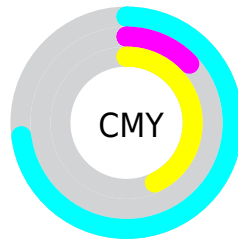
- Red (27%)
- Green (87%)
- Blue (57%)



- Red (27%)
- Yellow (67%)
- Blue (87%)



- Cyan (69%)
- Magenta (0%)
- Yellow (35%)
- Black (13%)





- Cyan (73%)
- Magenta (13%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9528, 56.0849, 35.8240 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 33.9528, 56.0849, 35.8240 by changing the saturation by 10% instead.


 33.9528, 56.0849,
35.8240


 33.9528, 56.0849,
35.8240


311.5112,
410.0114, 343.2047


 23.0201, 40.2710,
24.0097


 65.2050, 99.1287,
69.9263


 14.7291, 27.7499,
15.1285


 86.2552, 127.1274,
93.0514

 8.7146, 18.1372,
8.7620


 111.4087,
159.9565, 120.7838

 4.6111, 11.0485,
4.4916

 141.0306,
198.0003, 153.5421

 2.0533, 6.0995,
1.8987

175.4865,
241.6433, 191.7448

 0.6636, 2.9057,
0.4919

215.1416,

 0.0000, 1.0827,

291.2699, 235.8104

0.0000

260.3614,
347.2645, 286.1576

■ 0.0000, 0.0000,
0.0000

■ 33.9528, 56.0849,
35.8240

■ 33.9528, 56.0849,
35.8240

■ 31.8300, 55.0878,
31.4026

■ 36.7592, 57.4274,
40.7319

■ 30.3135, 54.3919,
27.4474

■ 40.3069, 59.1404,
46.1380


■ 29.2907, 53.9412,
23.9405


■ 44.6521, 61.2539,
52.0582


■ 29.2059, 53.9043,
23.6317


■ 49.8441, 63.7931,
58.5066

■ 55.9282, 66.7812,
65.4963

 62.9462, 70.2394,
73.0403

 70.9374, 74.1877,
81.1510

 79.9385, 78.6450,
89.8404

 84.3647, 80.7318,
98.8569

Harmonies

Analogous

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



40.3925, 56.0849, 19.5797



33.9528, 56.0849, 35.8240



32.3369, 56.0849, 67.4028

Triad

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



33.9528, 56.0849, 35.8240



55.4757, 56.0849, 161.7811



76.1483, 56.0849, 28.8883

Complementary

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



33.9528, 56.0849, 35.8240



37.8279, 22.0521, 29.8690

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.



81.8112, 56.0849, 55.1411



33.9528, 56.0849, 35.8240



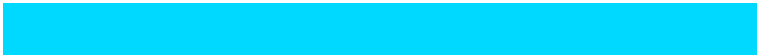
68.7168, 56.0849, 139.0406

Square

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



33.9528, 56.0849, 35.8240



43.5521, 56.0849, 149.9194



78.8950, 56.0849, 96.0301



64.4195, 56.0849, 16.8467

Rectangle

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



33.9528, 56.0849, 35.8240



33.9482, 56.0849, 95.9781



78.8950, 56.0849, 96.0301



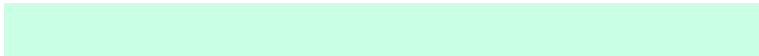
78.9031, 56.0849, 35.8510

Sweetspot

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



33.9543, 56.0872, 35.8253



73.9550, 89.5946, 86.7046



39.7793, 59.5564, 15.0299



15.3275, 18.9303, 17.9877



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.



33.9543, 56.0872, 35.8253



42.1003, 74.1729, 40.0311



41.8195, 59.2333, 77.2431



13.8093, 15.4495, 16.0313



17.2289, 31.7164, 14.1943



1.2394, 2.2165, 1.2217

Inverse Universe

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



37.8279, 22.0521, 29.8690



47.6662, 25.2331, 31.4459



33.7167, 20.4077, 8.2198



13.9955, 13.8158, 15.7462



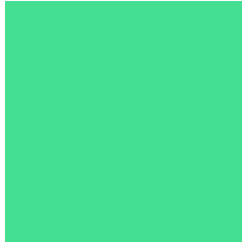
19.7014, 9.9476, 10.3593



1.4108, 0.7076, 0.9561

Previews

White Background



This preview shows how the XYZ color 33.9528, 56.0849, 35.8240 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 33.9528, 56.0849, 35.8240 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 33.9528, 56.0849, 35.8240

Background



This preview shows how black text looks on a background with the XYZ color 33.9528, 56.0849, 35.8240.

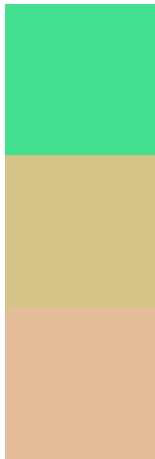


This preview shows how white text looks on a background with the XYZ color 33.9528, 56.0849,

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

33.9528, 56.0849, 35.8240

Protanopia

51.1249, 55.1704, 30.1447

Deuteranopia

56.0461, 54.9244, 37.7845



Tritanopia

43.4440, 56.0684, 83.3954

Trichromacy



Original Color

33.9528, 56.0849, 35.8240



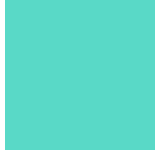
Protanomaly

41.0839, 53.4223, 31.8131



Deuteranomaly

43.1863, 52.6332, 36.7372



Tritanomaly

39.2415, 55.8731, 62.7492

Monochromacy



Original Color

33.9528, 56.0849, 35.8240



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.8441, 43.4100, 39.8529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9528, 56.0849, 35.8240 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(69, 223, 145)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 223, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 223, 145) }
```

Border

The CSS property to change the border of an element to XYZ 33.9528, 56.0849, 35.8240 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(69, 223, 145) }
```


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

```
.border{ border-color:rgb(69, 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(69, 223, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 223, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 223, 145);  
box-shadow:4px 4px 4px 4px rgb(69, 223,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9528, 56.0849, 35.8240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 223, 145) }
```

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

```
.background{ background-color: rgb(69, 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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