

Converting Colors

XYZ(33.3591, 57.0814, 18.9601)

Have a look what the booklet for
XYZ(33.3591, 57.0814, 18.9601)
contains.

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Color

**XYZ(33.2849, 56.9158,
18.9044)**

Conversions

Conversions Part 1

Format	Color
Hex	5DE15A
RGB	93, 225, 90
RGB Percent	36%, 88%, 35%
CMY	0.6353, 0.1176, 0.6470
CMYK	0.59, 0.00, 0.60, 0.12
HSL	119°, 69%, 62%
HSV	119°, 60%, 88%
XYZ	33.2849, 56.9158, 18.9044
YIQ	170.1420, -35.3370, -69.9690

Conversions

Conversions Part 2

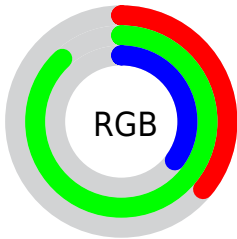
Format	Color
RYB	90, 225, 222
Decimal	6152538
CIELab	80.13, -61.93, 54.17
CIELCh	80, 82.281, 138.825
Yxy	56.9158, 0.3051, 0.5217
Android (android.graphics.Color)	4284342618 (0xFF5DE15A)
YUV	170.1420, -39.5100, -67.6535
Hunter-Lab	75.4426, -53.2711, 37.9529

Details

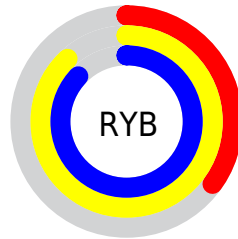
The XYZ color **33.2849, 56.9158, 18.9044** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted green. A complement of this color would be **47.3742, 28.2802, 74.1990**, and the grayscale version is **38.4842, 40.4884, 44.0918**.

A 20% lighter version of the original color is **54.3116, 80.5022, 39.0615**, and **14.2914, 28.1208, 6.1880** is the 20% darker color. If you saturate the color by 10%, you get **30.5532, 55.6036, 14.5120**, and if you desaturate by 10%, it is **36.9496, 58.6788, 24.8556**.

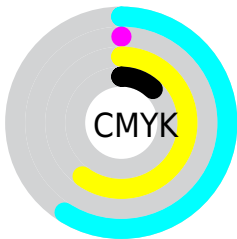
Distribution



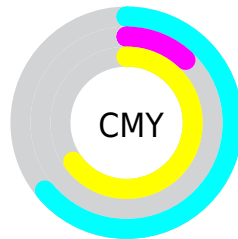
- Red (36%)
- Green (88%)
- Blue (35%)



- Red (35%)
- Yellow (88%)
- Blue (87%)



- Cyan (59%)
- Magenta (0%)
- Yellow (60%)
- Black (12%)



- Cyan (64%)
- Magenta (12%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2849, 56.9158, 18.9044 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 33.2849, 56.9158, 18.9044 by changing the saturation by 10% instead.

■ 33.2849, 56.9158,
18.9044

■ 33.2849, 56.9158,
18.9044

308.5739,
413.1337, 258.3256

■ 22.5051, 40.9376,
11.4251

■ 64.1718, 100.3423,
42.4070

■ 14.3472, 28.2704,
6.2358

■ 85.0095, 128.5595,
59.2675

■ 8.4458, 18.5296,
2.9179

■ 109.9306,
161.6251, 80.0920

■ 4.4357, 11.3309,
1.0529

■ 139.3005,
199.9235, 105.2992

■ 1.9515, 6.2898,
0.0000

173.4843,
243.8392, 135.3077

■ 0.6065, 3.0221,
0.0000

212.8476,

■ 0.0000, 1.1433,

293.7566, 170.5358

0.0000

257.7557,
350.0599, 211.4023

■ 0.0000, 0.0146,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2849, 56.9158,
18.9044

■ 33.2849, 56.9158,
18.9044

■ 30.5532, 55.6036,
14.5120

■ 36.9496, 58.6788,
24.8556

■ 28.6666, 54.6952,
11.5293


■ 41.6168, 60.9207,
32.4889

■ 27.5280, 54.1456,
9.7850


■ 47.3542, 63.6756,
41.9197


■ 26.9889, 53.8850,
8.9784


■ 54.2223, 66.9726,
53.2522

 26.9889, 53.8850,
8.9784

 62.2772, 70.8383,
66.5826

 71.5712, 75.2979,
82.0005

 82.1536, 80.3750,
99.5903

 86.2164, 82.3327,
105.9555

Harmonies

Analogous

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



44.3502, 56.9158, 9.2326



33.2849, 56.9158, 18.9044



28.2404, 56.9158, 45.7500

Triad

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



33.2849, 56.9158, 18.9044



48.0883, 56.9158, 203.7707



90.6915, 56.9158, 36.7064

Complementary

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



33.2849, 56.9158, 18.9044



47.3742, 28.2802, 74.1990

Split Complementary

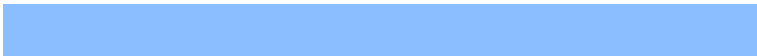
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2709, 56.9158, 81.6353



33.2849, 56.9158, 18.9044



65.1759, 56.9158, 196.8048

Square

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



33.2849, 56.9158, 18.9044



35.5329, 56.9158, 160.6327



82.1597, 56.9158, 144.7575



78.2080, 56.9158, 15.2271

Rectangle

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



33.2849, 56.9158, 18.9044



28.0918, 56.9158, 77.2365



82.1597, 56.9158, 144.7575



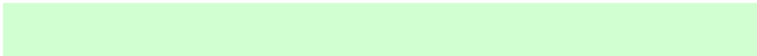
92.5990, 56.9158, 48.8635

Sweetspot

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



33.2863, 56.9182, 18.9057



73.8932, 89.8475, 73.8343



58.6240, 68.1980, 19.7474



15.1914, 18.9312, 14.7709



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.



33.2863, 56.9182, 18.9057



39.8492, 73.4952, 18.1145



36.8933, 58.3266, 39.4524



13.5568, 15.3517, 14.5554



15.5644, 31.0563, 5.1741



1.0889, 2.1578, 0.3591

Inverse Universe

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



47.3742, 28.2802, 74.1990



60.0852, 32.2727, 97.6702



41.2311, 25.9300, 37.0162



14.2634, 13.9193, 17.3226



24.8545, 11.9083, 42.0369



1.7325, 0.8304, 2.9142

Previews

White Background



This preview shows how the XYZ color 33.2849, 56.9158, 18.9044 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 33.2849, 56.9158, 18.9044 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

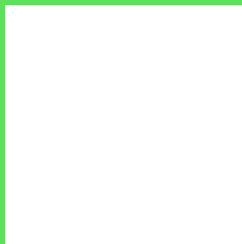
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2849, 56.9158, 18.9044

Background



This preview shows how black text looks on a background with the XYZ color 33.2849, 56.9158, 18.9044.



This preview shows how white text looks on a background with the XYZ color 33.2849, 56.9158,

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

33.2849, 56.9158, 18.9044

Protanopia

50.7027, 55.6018, 16.0425

Deuteranopia

56.9501, 55.7833, 20.0776



Tritanopia

45.7553, 56.5499, 81.9025

Trichromacy



Original Color

33.2849, 56.9158, 18.9044



Protanomaly

41.1861, 54.1658, 16.8786



Deuteranomaly

43.7834, 53.3277, 19.2949



Tritanomaly

39.4018, 55.8368, 50.8204

Monochromacy



Original Color

33.2849, 56.9158, 18.9044



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.3765, 44.5008, 31.9770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2849, 56.9158, 18.9044 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(93, 225, 90)` looks like.

```
.text, #text, p{  
    color:rgb(93, 225, 90)  
}
```

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(93, 225, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 225, 90) }
```

Border

The CSS property to change the border of an element to XYZ 33.2849, 56.9158, 18.9044 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(93, 225, 90) }
```


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

```
.border{ border-color:rgb(93, 225, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 225, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 225, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 225, 90);  
box-shadow:4px 4px 4px 4px rgb(93, 225,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2849, 56.9158, 18.9044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 225, 90) }
```

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

```
.background{ background-color: rgb(93, 225,  
90) }
```

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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