

Converting Colors

XYZ(23.9124, 42.1875, 8.8245)

Have a look what the booklet for
XYZ(23.9124, 42.1875, 8.8245)
contains.

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Color

**XYZ(23.9536, 42.2840,
8.8186)**

Conversions

Conversions Part 1

Format	Color
Hex	51C627
RGB	81, 198, 39
RGB Percent	32%, 78%, 15%
CMY	0.6824, 0.2235, 0.8470
CMYK	0.59, 0.00, 0.80, 0.22
HSL	104°, 67%, 46%
HSV	104°, 80%, 78%
XYZ	23.9536, 42.2840, 8.8186
YIQ	144.8910, -18.6930, -74.2530

Conversions

Conversions Part 2

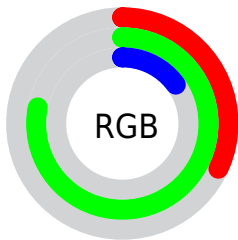
Format	Color
RYB	39, 198, 156
Decimal	5359143
CIELab	71.07, -59.46, 63.58
CIElCh	71, 87.053, 133.081
Yxy	42.2840, 0.3191, 0.5634
Android (android.graphics.Color)	4283549223 (0xFF51C627)
YUV	144.8910, -52.2043, -56.0324
Hunter-Lab	65.0261, -48.0419, 37.4776

Details

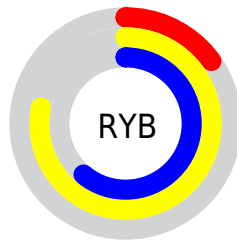
The XYZ color **23.9536, 42.2840, 8.8186** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **24.6319, 12.5981, 54.5619**, and the grayscale version is **27.0813, 28.4916, 31.0274**.

A 20% lighter version of the original color is **49.1199, 78.1526, 24.0514**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **22.5900, 41.6109, 7.4665**, and if you desaturate by 10%, it is **25.7582, 43.1673, 11.0861**.

Distribution



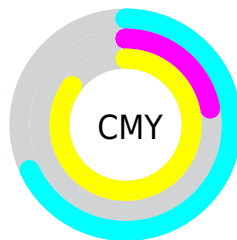
- Red (32%)
- Green (78%)
- Blue (15%)



- Red (15%)
- Yellow (78%)
- Blue (61%)



- Cyan (59%)
- Magenta (0%)
- Yellow (80%)
- Black (22%)





- Cyan (68%)
- Magenta (22%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9536, 42.2840, 8.8186 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 23.9536, 42.2840, 8.8186 by changing the saturation by 10% instead.


 23.9536, 42.2840,
8.8186


 23.9536, 42.2840,
8.8186


265.0306,
355.6589, 192.1868


 15.4238, 29.3237,
4.5279


 49.4097, 78.6293,
24.1204

 9.2056, 19.3259,
1.9192


 67.0667, 102.7831,
35.9686


 4.9337, 11.9060,
0.5049


 88.4967, 131.4368,
51.1729

 2.2428, 6.6797,
0.0000

 114.0652,
164.9749, 70.1520

 0.7651, 3.2626,
0.0000

 144.1375,
203.7818, 93.3244

 0.0000, 1.2703,
0.0000

 179.0789,

 0.0000, 0.1180,

248.2418, 121.1087

0.0000

219.2548,
298.7394, 153.9233

■ 0.0000, 0.0000,
0.0000

■ 23.9536, 42.2840,
8.8186

■ 23.9536, 42.2840,
8.8186

■ 22.5900, 41.6109,
7.4665

■ 25.7582, 43.1673,
11.0861


■ 21.6263, 41.1278,
6.7986


■ 28.0400, 44.2728,
14.3902


■ 30.8344, 45.6179,
18.8367


■ 34.1723, 47.2163,
24.5173

■ 38.0818, 49.0809,
31.5148

 42.5893, 51.2236,
39.9044

 47.7193, 53.6555,
49.7560

 53.4949, 56.3871,
61.1346

 59.9381, 59.4283,
74.1013

Harmonies

Analogous

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



34.1862, 42.2840, 3.7933



23.9536, 42.2840, 8.8186



18.9313, 42.2840, 26.4429

Triad

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



23.9536, 42.2840, 8.8186



32.5877, 42.2840, 173.0489



74.0504, 42.2840, 30.1869

Complementary

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



23.9536, 42.2840, 8.8186



24.6319, 12.5981, 54.5619

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.



73.3242, 42.2840, 73.5050



23.9536, 42.2840, 8.8186



46.8578, 42.2840, 176.4268

Square

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



23.9536, 42.2840, 8.8186



23.0278, 42.2840, 125.2807



62.4790, 42.2840, 132.8199



64.2732, 42.2840, 10.1399

Rectangle

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



23.9536, 42.2840, 8.8186



18.2317, 42.2840, 50.4809



62.4790, 42.2840, 132.8199



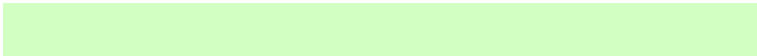
75.0852, 42.2840, 41.8677

Sweetspot

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



23.9546, 42.2858, 8.8195



72.0430, 89.1023, 64.3226



35.4783, 35.7974, 6.9598



14.8097, 18.7813, 12.6350



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.



23.9546, 42.2858, 8.8195



38.7060, 73.0323, 12.3495



22.3402, 41.3447, 13.6598



10.7558, 12.0211, 11.3162



14.1333, 26.7813, 4.4244



0.7399, 1.3045, 0.2128

Inverse Universe

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



24.6319, 12.5981, 54.5619



39.4827, 18.4333, 96.0848



30.4401, 16.0277, 35.1635



10.7992, 10.6703, 13.4079



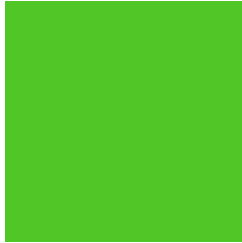
14.3881, 6.6516, 35.2699



0.7468, 0.3488, 1.6731

Previews

White Background



This preview shows how the XYZ color 23.9536, 42.2840, 8.8186 looks on a white background.

Color Contrast Check

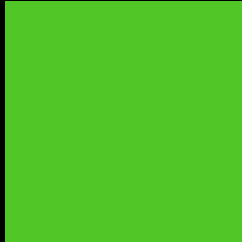
Large Text (above 18pt) WCAG AA × Fail

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 23.9536, 42.2840, 8.8186 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 23.9536, 42.2840, 8.8186

Background



This preview shows how black text looks on a background with the XYZ color 23.9536, 42.2840, 8.8186.



This preview shows how white text looks on a background with the XYZ color 23.9536, 42.2840,

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

23.9536, 42.2840, 8.8186

Protanopia

37.4524, 41.4608, 7.3953

Deuteranopia

42.3082, 41.4354, 9.5093



Tritanopia

34.1314, 41.8492, 60.3116

Trichromacy



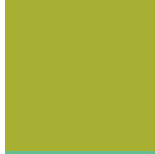
Original Color

23.9536, 42.2840, 8.8186



Protanomaly

30.1682, 40.3496, 7.7883



Deuteranomaly

32.0374, 39.4964, 8.9526



Tritanomaly

28.3721, 41.0850, 31.6341

Monochromacy



Original Color

23.9536, 42.2840, 8.8186



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.9030, 31.7291, 18.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9536, 42.2840, 8.8186 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(81, 198, 39)` looks like.

```
.text, #text, p{  
    color:rgb(81, 198, 39)  
}
```

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(81, 198, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 198, 39) }
```

Border

The CSS property to change the border of an element to XYZ 23.9536, 42.2840, 8.8186 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(81, 198, 39) }
```


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

```
.border{ border-color:rgb(81, 198, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 198, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 198, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 198, 39);  
box-shadow:4px 4px 4px 4px rgb(81, 198,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9536, 42.2840, 8.8186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 198, 39) }
```

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

```
.background{ background-color: rgb(81, 198,  
39) }
```

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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