

Converting Colors

XYZ(33.5167, 47.2201, 12.0530)

Have a look what the booklet for
XYZ(33.5167, 47.2201, 12.0530)
contains.

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Color

**XYZ(33.4857, 47.1366,
12.0360)**

Conversions

Conversions Part 1

Format	Color
Hex	95C63F
RGB	149, 198, 63
RGB Percent	58%, 78%, 25%
CMY	0.4157, 0.2235, 0.7529
CMYK	0.25, 0.00, 0.68, 0.22
HSL	82°, 54%, 51%
HSV	82°, 68%, 78%
XYZ	33.4857, 47.1366, 12.0360
YIQ	167.9590, 14.1310, -52.3730

Conversions

Conversions Part 2

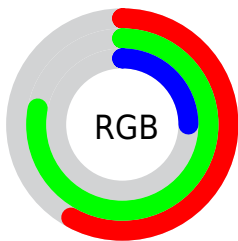
Format	Color
RYB	63, 198, 112
Decimal	9815615
CIELab	74.28, -35.99, 59.66
CIELCh	74, 69.678, 121.097
Yxy	47.1366, 0.3614, 0.5087
Android (android.graphics.Color)	4288005695 (0xFF95C63F)
YUV	167.9590, -51.7448, -16.6270
Hunter-Lab	68.6561, -33.0882, 37.6652

Details

The XYZ color **33.4857, 47.1366, 12.0360** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **18.6546, 11.0783, 54.5839**, and the grayscale version is **37.4417, 39.3916, 42.8974**.

A 20% lighter version of the original color is **64.4836, 85.9498, 30.3309**, and **14.5894, 22.3262, 3.5404** is the 20% darker color. If you saturate the color by 10%, you get **31.7580, 46.3003, 9.5682**, and if you desaturate by 10%, it is **35.4955, 48.0984, 15.5573**.

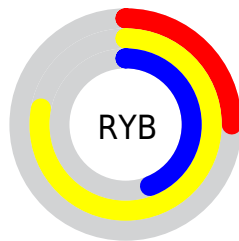
Distribution



Red (58%)

Green (78%)

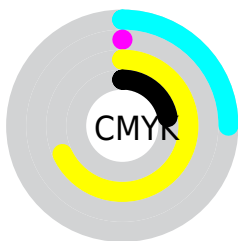
Blue (25%)



Red (25%)

Yellow (78%)

Blue (44%)

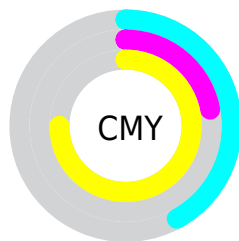


Cyan (25%)

Magenta (0%)

Yellow (68%)

Black (22%)



Cyan (42%)

Magenta (22%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4857, 47.1366, 12.0360 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 33.4857, 47.1366, 12.0360 by changing the saturation by 10% instead.

■ 33.4857, 47.1366,
12.0360

■ 33.4857, 47.1366,
12.0360

309.4591,
375.3595, 215.6298

■ 22.6598, 33.1437,
6.6454

■ 64.4827, 85.9175,
30.2260

■ 14.4618, 22.2365,
3.1663

■ 85.3845, 111.4742,
43.8625

■ 8.5264, 14.0308,
1.1801

■ 110.3757,
141.6543, 61.0847

■ 4.4882, 8.1421,
0.0000

■ 139.8215,
176.8422, 82.3111

■ 1.9819, 4.1860,
0.0000

■ 174.0875,
217.4223, 107.9603

■ 0.6237, 1.7781,
0.0000

213.5388,

■ 0.0000, 0.4735,

263.7789, 138.4507

0.0000

258.5409,
316.2966, 174.2011

■ 0.0000, 0.0000,
0.0000

■ 33.4857, 47.1366,
12.0360

■ 33.4857, 47.1366,
12.0360

■ 31.7580, 46.3003,
9.5682

■ 35.4955, 48.0984,
15.5573

■ 30.2852, 45.5735,
8.0323

■ 37.8046, 49.1877,
20.2300

■ 29.0325, 44.9438,
7.2483

■ 40.4326, 50.4143,
26.1444

■ 28.8184, 44.8357,
7.1353

■ 43.3958, 51.7848,
33.3807

■ 46.7098, 53.3056,
42.0127

■ 50.3885, 54.9824,
52.1084

■ 54.4455, 56.8208,
63.7317

■ 58.8933, 58.8259,
76.9425

■ 63.7439, 61.0027,
91.7975

Harmonies

Analogous

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



44.3427, 47.1366, 8.6524



33.4857, 47.1366, 12.0360



26.8628, 47.1366, 24.6978

Triad

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



33.4857, 47.1366, 12.0360



34.1473, 47.1366, 138.4013



73.4297, 47.1366, 50.0154

Complementary

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



33.4857, 47.1366, 12.0360



18.6546, 11.0783, 54.5839

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.



69.3466, 47.1366, 92.3658



33.4857, 47.1366, 12.0360



45.2643, 47.1366, 155.6836

Square

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



33.4857, 47.1366, 12.0360



27.1918, 47.1366, 95.7889



58.4174, 47.1366, 135.8605



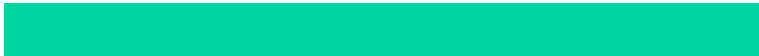
68.7319, 47.1366, 23.3207

Rectangle

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



33.4857, 47.1366, 12.0360



24.9830, 47.1366, 41.3785



58.4174, 47.1366, 135.8605



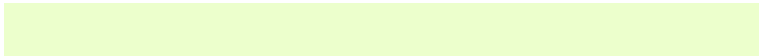
73.0335, 47.1366, 62.7471

Sweetspot

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



33.4868, 47.1387, 12.0370



81.4131, 93.7960, 70.9402



29.7906, 23.5722, 7.6830



17.0618, 19.9094, 14.2285



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.



33.4868, 47.1387, 12.0370



54.8640, 81.3117, 15.3775



24.6822, 42.5998, 11.6250



11.1361, 12.2171, 11.3340



18.8369, 29.2060, 4.6445



0.9693, 1.4228, 0.2235

Inverse Universe

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



18.6546, 11.0783, 54.5839



27.0213, 13.2894, 95.7487



30.2751, 17.0689, 55.1278



10.4141, 10.4717, 13.3899



8.4468, 3.5887, 34.9919



0.4792, 0.2108, 1.6606

Previews

White Background



This preview shows how the XYZ color 33.4857, 47.1366, 12.0360 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 33.4857, 47.1366, 12.0360 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 33.4857, 47.1366, 12.0360

Background



This preview shows how black text looks on a background with the XYZ color 33.4857, 47.1366, 12.0360.



This preview shows how white text looks on a background with the XYZ color 33.4857, 47.1366,

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

33.4857, 47.1366, 12.0360

Protanopia

42.4192, 46.6090, 10.8984

Deuteranopia

47.7918, 46.6859, 12.6233



Tritanopia

43.5002, 46.9750, 61.4180

Trichromacy



Original Color

33.4857, 47.1366, 12.0360

Protanomaly

38.5660, 46.4830, 11.2144

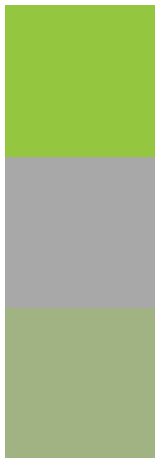
Deuteranomaly

41.3553, 46.0277, 12.3348

Tritanomaly

38.4157, 46.5025, 35.8053

Monochromacy



Original Color

33.4857, 47.1366, 12.0360

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

34.8473, 41.4290, 27.2790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4857, 47.1366, 12.0360 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(149, 198, 63)` looks like.

```
.text, #text, p{  
    color:rgb(149, 198, 63)  
}
```

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(149, 198, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 198, 63) }
```

Border

The CSS property to change the border of an element to XYZ 33.4857, 47.1366, 12.0360 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(149, 198, 63) }
```


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

```
.border{ border-color:rgb(149, 198, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 198, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 198, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 198, 63);  
box-shadow:4px 4px 4px 4px rgb(149, 198,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4857, 47.1366, 12.0360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 198, 63) }
```

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

```
.background{ background-color: rgb(149,  
198, 63) }
```

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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