

Converting Colors

XYZ(33.8253, 47.0156, 10.0884)

Have a look what the booklet for
XYZ(33.8253, 47.0156, 10.0884)
contains.

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Color

**XYZ(33.8262, 47.0159,
10.0885)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC530
RGB	154, 197, 48
RGB Percent	60%, 77%, 19%
CMY	0.3961, 0.2274, 0.8117
CMYK	0.22, 0.00, 0.76, 0.23
HSL	77°, 61%, 48%
HSV	77°, 76%, 77%
XYZ	33.8262, 47.0159, 10.0885
YIQ	167.1570, 22.2010, -55.4550

Conversions

Conversions Part 2

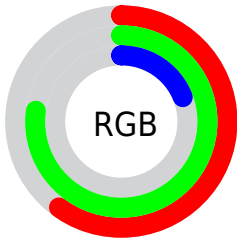
Format	Color
RYB	48, 197, 91
Decimal	10143024
CIELab	74.20, -34.46, 65.02
CIELCh	74, 73.585, 117.926
Yxy	47.0159, 0.3720, 0.5171
Android (android.graphics.Color)	4288333104 (0xFF9AC530)
YUV	167.1570, -58.7444, -11.5387
Hunter-Lab	68.5681, -31.9362, 39.2743

Details

The XYZ color **33.8262, 47.0159, 10.0885** 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 **15.4513, 8.3706, 53.6273**, and the grayscale version is **37.0784, 39.0094, 42.4812**.

A 20% lighter version of the original color is **65.1430, 85.9006, 26.5117**, and **14.8595, 22.2416, 3.5099** is the 20% darker color. If you saturate the color by 10%, you get **32.4501, 46.3451, 8.3531**, and if you desaturate by 10%, it is **35.4362, 47.7896, 12.7787**.

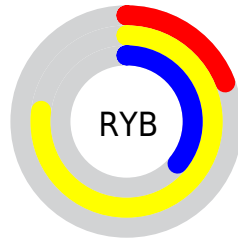
Distribution



Red (60%)

Green (77%)

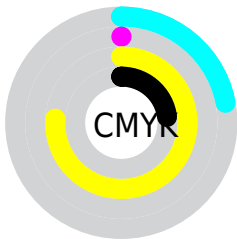
Blue (19%)



Red (19%)

Yellow (77%)

Blue (36%)

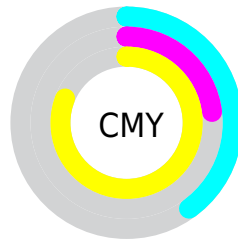


Cyan (22%)

Magenta (0%)

Yellow (76%)

Black (23%)



Cyan (40%)

Magenta (23%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8262, 47.0159, 10.0885 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 33.8262, 47.0159, 10.0885 by changing the saturation by 10% instead.

■ 33.8262, 47.0159,
10.0885

■ 33.8262, 47.0159,
10.0885

310.9560,
374.8780, 201.8103

■ 22.9224, 33.0482,
5.3513

■ 65.0094, 85.7374,
26.5722

■ 14.6566, 22.1634,
2.3925

■ 86.0195, 111.2599,
39.1559

■ 8.6635, 13.9770,
0.7824

■ 111.1290,
141.4029, 55.1921

■ 4.5777, 8.1047,
0.0000

■ 140.7033,
176.5507, 75.0993

■ 2.0339, 4.1620,
0.0000

■ 175.1078,
217.0877, 99.2963

■ 0.6529, 1.7646,
0.0000

■ 214.7079,

■ 0.0000, 0.4650,

263.3984, 128.2014

0.0000

259.8688,
315.8670, 162.2332

■ 0.0000, 0.0000,
0.0000

■ 33.8262, 47.0159,
10.0885

■ 33.8262, 47.0159,
10.0885

■ 32.4501, 46.3451,
8.3531

■ 35.4362, 47.7896,
12.7787

■ 31.2778, 45.7599,
7.4311

■ 37.2988, 48.6686,
16.5325

■ 30.8067, 45.5225,
7.1630

■ 39.4340, 49.6628,
21.4472

■ 41.8588, 50.7789,
27.6083

■ 44.5884, 52.0233,
35.0935

■ 47.6371, 53.4015,
43.9738

■ 51.0180, 54.9191,
54.3155

■ 54.7435, 56.5809,
66.1804

■ 58.8252, 58.3917,
79.6267

Harmonies

Analogous

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



45.6117, 47.0159, 7.4988



33.8262, 47.0159, 10.0885



26.4506, 47.0159, 21.4885

Triad

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



33.8262, 47.0159, 10.0885



32.5225, 47.0159, 140.7560



75.1423, 47.0159, 53.8671

Complementary

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



33.8262, 47.0159, 10.0885



15.4513, 8.3706, 53.6273

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.



69.8202, 47.0159, 100.2866



33.8262, 47.0159, 10.0885



43.7753, 47.0159, 163.5630

Square

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



33.8262, 47.0159, 10.0885



25.8086, 47.0159, 93.3236



57.6549, 47.0159, 145.9802



71.0638, 47.0159, 24.1443

Rectangle

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



33.8262, 47.0159, 10.0885



24.1841, 47.0159, 37.4472



57.6549, 47.0159, 145.9802



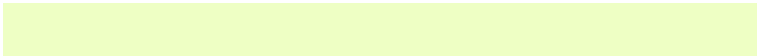
74.3747, 47.0159, 67.9462

Sweetspot

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



33.8273, 47.0180, 10.0895



81.0478, 93.7111, 66.2500



27.2357, 19.4343, 5.1127



16.9396, 19.8729, 13.0225



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.



33.8273, 47.0180, 10.0895



56.6592, 82.2761, 13.7026



23.8337, 41.8661, 9.6218



11.2141, 12.2573, 11.3376



20.3480, 29.9851, 4.7152



1.0326, 1.4554, 0.2265

Inverse Universe

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



15.4513, 8.3706, 53.6273



22.5646, 10.0007, 95.3488



26.5950, 14.1154, 54.1489



10.3395, 10.4333, 13.3864



7.8059, 3.2583, 34.9619



0.4429, 0.1920, 1.6589

Previews

White Background



This preview shows how the XYZ color 33.8262, 47.0159, 10.0885 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 33.8262, 47.0159, 10.0885 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 33.8262, 47.0159, 10.0885

Background



This preview shows how black text looks on a background with the XYZ color 33.8262, 47.0159, 10.0885.



This preview shows how white text looks on a background with the XYZ color 33.8262, 47.0159,

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

33.8262, 47.0159, 10.0885

Protanopia

42.0844, 46.4751, 9.1354

Deuteranopia

47.7279, 46.6969, 10.6355



Tritanopia

43.9111, 46.9042, 60.1651

Trichromacy



Original Color

33.8262, 47.0159, 10.0885

Protanomaly

38.4937, 46.1692, 9.3653

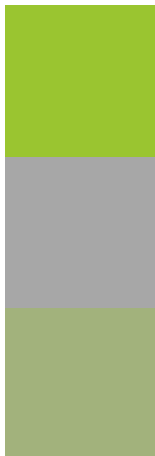
Deuteranomaly

41.5049, 46.1492, 10.3346

Tritanomaly

38.4654, 46.2709, 32.8904

Monochromacy



Original Color

33.8262, 47.0159, 10.0885

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

34.4588, 40.9774, 25.1620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8262, 47.0159, 10.0885 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(154, 197, 48)` looks like.

```
.text, #text, p{  
    color:rgb(154, 197, 48)  
}
```

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(154, 197, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 197, 48) }
```

Border

The CSS property to change the border of an element to XYZ 33.8262, 47.0159, 10.0885 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(154, 197, 48) }
```


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

```
.border{ border-color:rgb(154, 197, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 197, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 197, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 197, 48);  
box-shadow:4px 4px 4px 4px rgb(154, 197,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8262, 47.0159, 10.0885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 197, 48) }
```

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

```
.background{ background-color: rgb(154,  
197, 48) }
```

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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