

Converting Colors

XYZ(33.9733, 47.4000, 11.5804)

Have a look what the booklet for
XYZ(33.9733, 47.4000, 11.5804)
contains.

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Color

**XYZ(33.9586, 47.3898,
11.6323)**

Conversions

Conversions Part 1

Format	Color
Hex	98C63C
RGB	152, 198, 60
RGB Percent	60%, 78%, 24%
CMY	0.4039, 0.2235, 0.7647
CMYK	0.23, 0.00, 0.70, 0.22
HSL	80°, 55%, 51%
HSV	80°, 70%, 78%
XYZ	33.9586, 47.3898, 11.6323
YIQ	168.5140, 16.8820, -52.6700

Conversions

Conversions Part 2

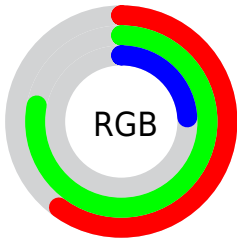
Format	Color
RYB	60, 198, 106
Decimal	10012220
CIELab	74.44, -35.03, 61.03
CIELCh	74, 70.367, 119.855
Yxy	47.3898, 0.3652, 0.5097
Android (android.graphics.Color)	4288202300 (0xFF98C63C)
YUV	168.5140, -53.4974, -14.4828
Hunter-Lab	68.8402, -32.4172, 38.1696

Details

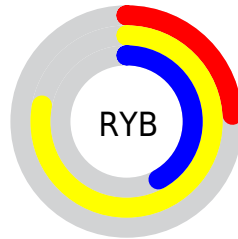
The XYZ color **33.9586, 47.3898, 11.6323** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.7547, 10.3744, 54.4955**, and the grayscale version is **37.7230, 39.6876, 43.2197**.

A 20% lighter version of the original color is **65.1490, 86.3131, 29.4460**, and **14.9030, 22.4879, 3.5551** is the 20% darker color. If you saturate the color by 10%, you get **32.3291, 46.6009, 9.3167**, and if you desaturate by 10%, it is **35.8549, 48.2967, 14.9842**.

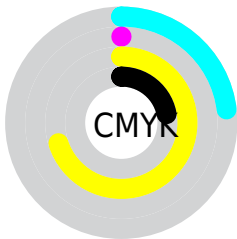
Distribution



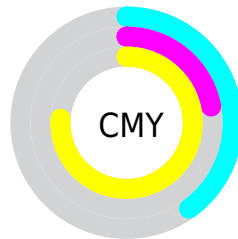
- Red (60%)
- Green (78%)
- Blue (24%)



- Red (24%)
- Yellow (78%)
- Blue (42%)



- Cyan (23%)
- Magenta (0%)
- Yellow (70%)
- Black (22%)



- Cyan (40%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9586, 47.3898, 11.6323 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 33.9586, 47.3898, 11.6323 by changing the saturation by 10% instead.

33.9586, 47.3898,
11.6323

33.9586, 47.3898,
11.6323

311.5366,
376.3683, 212.8464

23.0245, 33.3439,
6.3743

65.2140, 86.2952,
29.4779

14.7324, 22.3900,
3.0016

86.2660, 111.9235,
42.9027

8.7169, 14.1438,
1.0954

111.4215,
142.1813, 59.8868

4.6126, 8.2207,
0.0000

141.0456,
177.4532, 80.8488

2.0542, 4.2365,
0.0000

175.5038,
218.1234, 106.2072

0.6641, 1.8067,
0.0000

215.1615,

0.0000, 0.4914,

264.5764, 136.3806

0.0000

260.3840,
317.1966, 171.7874

■ 0.0000, 0.0000,
0.0000

■ 33.9586, 47.3898,
11.6323

■ 33.9586, 47.3898,
11.6323

■ 32.3291, 46.6009,
9.3167

■ 35.8549, 48.2967,
14.9842

■ 30.9388, 45.9138,
7.9124

■ 38.0353, 49.3237,
19.4725

■ 29.7450, 45.3130,
7.1959

■ 40.5192, 50.4802,
25.1890

■ 29.7102, 45.2955,
7.1770

■ 43.3232, 51.7731,
32.2151

■ 46.4623, 53.2085,
40.6255

■ 49.9506, 54.7921,
50.4890

■ 53.8014, 56.5293,
61.8701

■ 58.0270, 58.4252,
74.8290

■ 62.6393, 60.4847,
89.4231

Harmonies

Analogous

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



45.1045, 47.3898, 8.5253



33.9586, 47.3898, 11.6323



27.0707, 47.3898, 23.8676

Triad

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



33.9586, 47.3898, 11.6323



33.8699, 47.3898, 138.6494



74.1025, 47.3898, 51.7768

Complementary

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



33.9586, 47.3898, 11.6323



17.7547, 10.3744, 54.4955

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.



69.5996, 47.3898, 95.2324



33.9586, 47.3898, 11.6323



44.9808, 47.3898, 157.7229

Square

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



33.9586, 47.3898, 11.6323



27.0267, 47.3898, 94.7714



58.3088, 47.3898, 138.9921



69.6823, 47.3898, 24.0516

Rectangle

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



33.9586, 47.3898, 11.6323



25.0457, 47.3898, 40.2467



58.3088, 47.3898, 138.9921



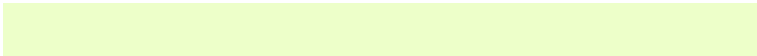
73.5723, 47.3898, 64.9084

Sweetspot

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



33.9597, 47.3919, 11.6333



81.3302, 93.7883, 69.3527



29.2601, 22.6417, 7.1037



17.0674, 19.9190, 13.9212



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.



33.9597, 47.3919, 11.6333



55.8264, 81.8188, 14.9298



24.5785, 42.5557, 11.1943



11.1671, 12.2331, 11.3354



19.4141, 29.5036, 4.6715



0.9938, 1.4354, 0.2247

Inverse Universe

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



17.7547, 10.3744, 54.4955



25.5446, 12.2504, 95.6260



29.4899, 16.4241, 55.0447



10.3843, 10.4564, 13.3885



8.1720, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 33.9586, 47.3898, 11.6323 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 33.9586, 47.3898, 11.6323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

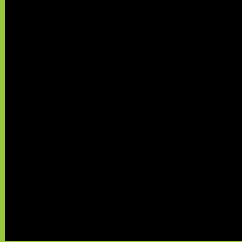
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9586, 47.3898, 11.6323

Background



This preview shows how black text looks on a background with the XYZ color 33.9586, 47.3898, 11.6323.



This preview shows how white text looks on a background with the XYZ color 33.9586, 47.3898,

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

33.9586, 47.3898, 11.6323

Protanopia

42.5491, 46.9899, 10.5688

Deuteranopia

47.6963, 46.6477, 12.1203



Tritanopia

43.9227, 47.1929, 61.4377

Trichromacy



Original Color

33.9586, 47.3898, 11.6323

Protanomaly

38.7293, 46.5761, 10.8197

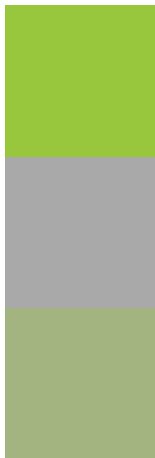
Deuteranomaly

41.5307, 46.1286, 11.8691

Tritanomaly

38.7386, 46.6782, 35.4018

Monochromacy



Original Color

33.9586, 47.3898, 11.6323

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.3880, 42.0140, 27.0133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9586, 47.3898, 11.6323 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(152, 198, 60)` looks like.

```
.text, #text, p{  
    color:rgb(152, 198, 60)  
}
```

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(152, 198, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 198, 60) }
```

Border

The CSS property to change the border of an element to XYZ 33.9586, 47.3898, 11.6323 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(152, 198, 60) }
```


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

```
.border{ border-color:rgb(152, 198, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 198, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 198, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 198, 60);  
box-shadow:4px 4px 4px 4px rgb(152, 198,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9586, 47.3898, 11.6323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 198, 60) }
```

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

```
.background{ background-color: rgb(152,  
198, 60) }
```

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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