

Converting Colors

XYZ(33.3180, 46.3854, 11.4722)

Have a look what the booklet for
XYZ(33.3180, 46.3854, 11.4722)
contains.

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Color

**XYZ(33.3180, 46.3854,
11.4722)**

Conversions

Conversions Part 1

Format	Color
Hex	97C43C
RGB	151, 196, 60
RGB Percent	59%, 77%, 24%
CMY	0.4078, 0.2314, 0.7647
CMYK	0.23, 0.00, 0.69, 0.23
HSL	80°, 54%, 50%
HSV	80°, 69%, 77%
XYZ	33.3180, 46.3854, 11.4722
YIQ	167.0410, 16.8360, -51.8360

Conversions

Conversions Part 2

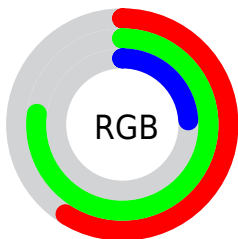
Format	Color
RYB	60, 196, 105
Decimal	9946172
CIELab	73.79, -34.50, 60.36
CIELCh	74, 69.521, 119.753
Yxy	46.3854, 0.3654, 0.5087
Android (android.graphics.Color)	4288136252 (0xFF97C43C)
YUV	167.0410, -52.7712, -14.0680
Hunter-Lab	68.1068, -31.8644, 37.6877

Details

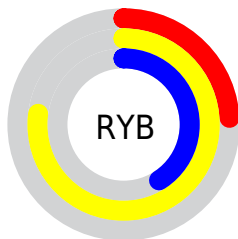
The XYZ color **33.3180, 46.3854, 11.4722** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.4073, 10.2218, 53.2828**, and the grayscale version is **36.9951, 38.9217, 42.3858**.

A 20% lighter version of the original color is **64.2322, 84.8983, 29.2213**, and **14.4969, 21.8328, 3.4501** is the 20% darker color. If you saturate the color by 10%, you get **31.7223, 45.6135, 9.1761**, and if you desaturate by 10%, it is **35.1739, 47.2723, 14.7838**.

Distribution



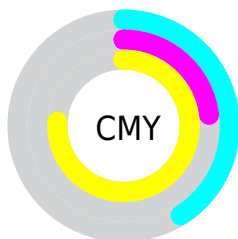
- Red (59%)
- Green (77%)
- Blue (24%)



- Red (24%)
- Yellow (77%)
- Blue (41%)



- Cyan (23%)
- Magenta (0%)
- Yellow (69%)
- Black (23%)



- Cyan (41%)
- Magenta (23%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3180, 46.3854, 11.4722 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 33.3180, 46.3854, 11.4722 by changing the saturation by 10% instead.

■ 33.3180, 46.3854,
11.4722

■ 33.3180, 46.3854,
11.4722

308.7199,
372.3559, 211.7315

■ 22.5306, 32.5501,
6.2672

■ 64.2230, 84.7955,
29.1800

■ 14.3660, 21.7820,
2.9368

■ 85.0714, 110.1390,
42.5199

■ 8.4591, 13.6968,
1.0625

■ 110.0040,
140.0874, 59.4085

■ 4.4444, 7.9101,
0.0000

■ 139.3864,
175.0250, 80.2644

■ 1.9565, 4.0375,
0.0000

■ 173.5838,
215.3363, 105.5061

■ 0.6093, 1.6945,
0.0000

212.9616,

■ 0.0000, 0.4201,

261.4056, 135.5522

0.0000

257.8852,
313.6174, 170.8211

■ 0.0000, 0.0000,
0.0000

■ 33.3180, 46.3854,
11.4722

■ 33.3180, 46.3854,
11.4722

■ 31.7223, 45.6135,
9.1761

■ 35.1739, 47.2723,
14.7838

■ 30.3602, 44.9409,
7.7743

■ 37.3070, 48.2762,
19.2079

■ 29.1916, 44.3531,
7.0570

■ 39.7358, 49.4064,
24.8338

■ 29.1231, 44.3186,
7.0194

■ 42.4766, 50.6692,
31.7407

■ 45.5441, 52.0709,
40.0012

■ 48.9518, 53.6169,
49.6822

■ 52.7127, 55.3125,
60.8464

■ 56.8388, 57.1626,
73.5528

■ 61.3415, 59.1719,
87.8569

Harmonies

Analogous

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



44.1906, 46.3854, 8.4468



33.3180, 46.3854, 11.4722



26.5849, 46.3854, 23.4006

Triad

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



33.3180, 46.3854, 11.4722



33.1708, 46.3854, 135.0294



72.3674, 46.3854, 50.8002

Complementary

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



33.3180, 46.3854, 11.4722



17.4073, 10.2218, 53.2828

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.



67.9598, 46.3854, 93.1164



33.3180, 46.3854, 11.4722



43.9854, 46.3854, 153.6686

Square

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



33.3180, 46.3854, 11.4722



26.5117, 46.3854, 92.3534



56.9596, 46.3854, 135.5961



68.0968, 46.3854, 23.7066

Rectangle

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



33.3180, 46.3854, 11.4722



24.5985, 46.3854, 39.3430



56.9596, 46.3854, 135.5961



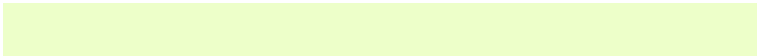
71.8417, 46.3854, 63.6024

Sweetspot

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



33.3191, 46.3875, 11.4732



81.3740, 93.8109, 69.3547



28.4392, 21.7774, 6.9802



17.0779, 19.9244, 13.9217



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.



33.3191, 46.3875, 11.4732



56.2006, 82.0064, 15.1860



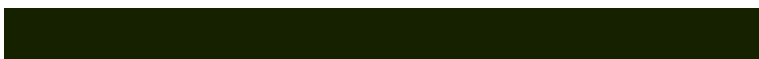
24.2974, 41.7366, 11.0510



10.5791, 11.5860, 10.7406



18.8060, 28.5237, 4.5144



0.8829, 1.2687, 0.1983

Inverse Universe

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



17.4073, 10.2218, 53.2828



25.7869, 12.5099, 95.6633



28.3905, 15.8839, 53.7968



9.8353, 9.9063, 12.6786



7.8789, 3.3222, 33.7826



0.4142, 0.1816, 1.4631

Previews

White Background



This preview shows how the XYZ color 33.3180, 46.3854, 11.4722 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 33.3180, 46.3854, 11.4722 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 33.3180, 46.3854, 11.4722

Background



This preview shows how black text looks on a background with the XYZ color 33.3180, 46.3854, 11.4722.



This preview shows how white text looks on a background with the XYZ color 33.3180, 46.3854,

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

33.3180, 46.3854, 11.4722

Protanopia

41.8663, 46.0298, 10.4194

Deuteranopia

46.8780, 45.9423, 12.0272



Tritanopia

43.0629, 46.1597, 60.0661

Trichromacy



Original Color

33.3180, 46.3854, 11.4722

Protanomaly

38.0646, 45.6036, 10.6670

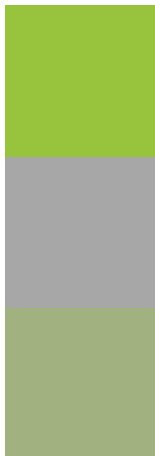
Deuteranomaly

40.7959, 45.4469, 11.7762

Tritanomaly

38.0265, 45.6816, 34.8302

Monochromacy



Original Color

33.3180, 46.3854, 11.4722

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

34.5146, 40.9764, 26.5122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3180, 46.3854, 11.4722 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(151, 196, 60)` looks like.

```
.text, #text, p{  
    color:rgb(151, 196, 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(151, 196, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 196, 60) }
```

Border

The CSS property to change the border of an element to XYZ 33.3180, 46.3854, 11.4722 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(151, 196, 60) }
```


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

```
.border{ border-color:rgb(151, 196, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 196, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 196, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 196, 60);  
box-shadow:4px 4px 4px 4px rgb(151, 196,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3180, 46.3854, 11.4722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 196, 60) }
```

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

```
.background{ background-color: rgb(151,  
196, 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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