

Converting Colors

XYZ(33.6517, 41.8660, 18.9736)

Have a look what the booklet for
XYZ(33.6517, 41.8660, 18.9736)
contains.

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Color

**XYZ(33.6234, 41.8888,
18.8836)**

Conversions

Conversions Part 1

Format	Color
Hex	A0B666
RGB	160, 182, 102
RGB Percent	63%, 71%, 40%
CMY	0.3725, 0.2863, 0.6000
CMYK	0.12, 0.00, 0.44, 0.29
HSL	77°, 35%, 56%
HSV	77°, 44%, 71%
XYZ	33.6234, 41.8888, 18.8836
YIQ	166.3020, 12.5680, -29.5440

Conversions

Conversions Part 2

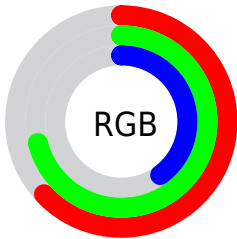
Format	Color
RYB	102, 182, 124
Decimal	10532454
CIELab	70.79, -20.49, 38.11
CIELCh	71, 43.272, 118.266
Yxy	41.8888, 0.3562, 0.4438
Android (android.graphics.Color)	4288722534 (0xFFA0B666)
YUV	166.3020, -31.7009, -5.5269
Hunter-Lab	64.7216, -20.5305, 28.0062

Details

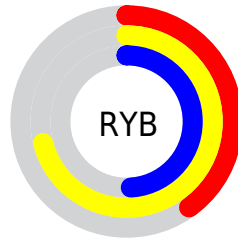
The XYZ color **33.6234, 41.8888, 18.8836** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **21.5088, 17.1664, 46.4382**, and the grayscale version is **36.5370, 38.4398, 41.8609**.

A 20% lighter version of the original color is **64.7262, 78.0811, 42.2316**, and **14.5335, 19.0742, 6.1645** is the 20% darker color. If you saturate the color by 10%, you get **31.8377, 41.0627, 14.5947**, and if you desaturate by 10%, it is **35.6496, 42.8187, 24.2198**.

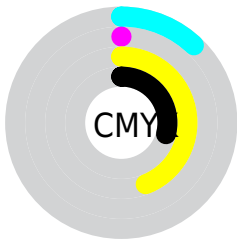
Distribution



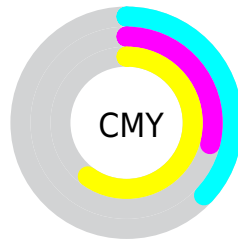
- Red (63%)
- Green (71%)
- Blue (40%)



- Red (40%)
- Yellow (71%)
- Blue (49%)



- Cyan (12%)
- Magenta (0%)
- Yellow (44%)
- Black (29%)



- Cyan (37%)
- Magenta (29%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6234, 41.8888, 18.8836 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 33.6234, 41.8888, 18.8836 by changing the saturation by 10% instead.

■ 33.6234, 41.8888,
18.8836

■ 33.6234, 41.8888,
18.8836

310.0651,
354.0218, 258.2067

■ 22.7660, 29.0142,
11.4102

■ 64.6958, 78.0313,
42.3714

■ 14.5405, 19.0916,
6.2259

■ 85.6414, 102.0680,
59.2229

■ 8.5818, 11.7365,
2.9119

■ 110.6805,
130.5942, 80.0376

■ 4.5243, 6.5645,
1.0498

■ 140.1784,
163.9944, 105.2339

■ 2.0028, 3.1913,
0.0000

174.5005,
202.6528, 135.2304

■ 0.6355, 1.2324,
0.0000

214.0120,

■ 0.0000, 0.0879,

246.9539, 170.4457

0.0000

259.0784,
297.2821, 211.2983

■ 0.0000, 0.0000,
0.0000

■ 33.6234, 41.8888,
18.8836

■ 33.6234, 41.8888,
18.8836

■ 31.8377, 41.0627,
14.5947

■ 35.6496, 42.8187,
24.2198

■ 30.2759, 40.3293,
11.2815

■ 37.9257, 43.8518,
30.6635

■ 28.9239, 39.6843,
8.8673


■ 40.4641, 44.9946,
38.2733


■ 27.7642, 39.1208,
7.2632


■ 43.2755, 46.2514,
47.1032


■ 26.7760, 38.6303,
6.3618


■ 46.3699, 47.6262,
57.2036

 26.2358, 38.3588,
6.0212

 49.7567, 49.1230,
68.6221

 53.4450, 50.7453,
81.4039

 57.4434, 52.4966,
95.5920

 59.9707, 53.6646,
101.8052

Harmonies

Analogous

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



40.2335, 41.8888, 16.3913



33.6234, 41.8888, 18.8836



29.1821, 41.8888, 27.8039

Triad

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



33.6234, 41.8888, 18.8836



32.9807, 41.8888, 88.2148



55.2809, 41.8888, 46.8174

Complementary

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



33.6234, 41.8888, 18.8836



21.5088, 17.1664, 46.4382

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.



52.7577, 41.8888, 69.7459



33.6234, 41.8888, 18.8836



39.3975, 41.8888, 97.6891

Square

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



33.6234, 41.8888, 18.8836



28.8437, 41.8888, 67.0299



46.7214, 41.8888, 90.0861



53.2636, 41.8888, 29.3213

Rectangle

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



33.6234, 41.8888, 18.8836



27.7615, 41.8888, 38.0274



46.7214, 41.8888, 90.0861



54.9303, 41.8888, 54.1385

Sweetspot

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



33.6244, 41.8907, 18.8845



73.7152, 81.7309, 70.4873



28.8156, 25.1545, 15.9075



16.0460, 17.9462, 14.8466



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6244, 41.8907, 18.8845



57.7364, 74.4506, 26.4996



26.9662, 38.4582, 18.5729



9.5028, 10.3758, 9.6088



18.5930, 27.1214, 4.2550



0.7118, 0.9851, 0.1526

Inverse Universe

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



21.5088, 17.1664, 46.4382



32.9025, 23.7067, 83.0774



28.3690, 20.7030, 46.7593



8.7468, 8.8358, 11.3239



6.9499, 2.8940, 31.4454



0.3068, 0.1339, 1.1114

Previews

White Background



This preview shows how the XYZ color 33.6234, 41.8888, 18.8836 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 33.6234, 41.8888, 18.8836 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 33.6234, 41.8888, 18.8836

Background



This preview shows how black text looks on a background with the XYZ color 33.6234, 41.8888, 18.8836.



This preview shows how white text looks on a background with the XYZ color 33.6234, 41.8888, 18.8836.

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

33.6234, 41.8888, 18.8836

Protanopia

38.4309, 41.7351, 17.8345

Deuteranopia

42.3511, 41.5062, 19.4150



Tritanopia

40.4100, 41.7081, 52.3750

Trichromacy



Original Color

33.6234, 41.8888, 18.8836

Protanomaly

36.4160, 41.5545, 18.1581

Deuteranomaly

38.5986, 41.2221, 19.2869

Tritanomaly

37.3781, 41.6327, 37.0762

Monochromacy



Original Color

33.6234, 41.8888, 18.8836

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.0203, 39.3807, 31.7421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6234, 41.8888, 18.8836 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(160, 182, 102)` looks like.

```
.text, #text, p{  
    color:rgb(160, 182, 102)  
}
```

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(160, 182, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 182, 102) }
```

Border

The CSS property to change the border of an element to XYZ 33.6234, 41.8888, 18.8836 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(160, 182, 102) }
```


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

```
.border{ border-color:rgb(160, 182, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 182, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 182, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 182, 102);  
box-shadow:4px 4px 4px 4px rgb(160, 182,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6234, 41.8888, 18.8836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 182, 102) }
```

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

```
.background{ background-color: rgb(160,  
182, 102) }
```

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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