

Converting Colors

XYZ(31.8311, 41.5982, 12.3803)

Have a look what the booklet for
XYZ(31.8311, 41.5982, 12.3803)
contains.

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Color

**XYZ(31.9881, 41.8038,
12.3442)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB847
RGB	156, 184, 71
RGB Percent	61%, 72%, 28%
CMY	0.3882, 0.2784, 0.7216
CMYK	0.15, 0.00, 0.61, 0.28
HSL	75°, 44%, 50%
HSV	75°, 61%, 72%
XYZ	31.9881, 41.8038, 12.3442
YIQ	162.7460, 19.5850, -41.0790

Conversions

Conversions Part 2

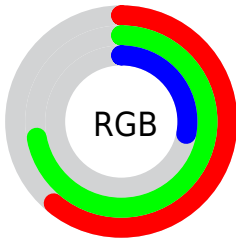
Format	Color
RYB	71, 184, 99
Decimal	10270791
CIELab	70.74, -26.07, 52.75
CIELCh	71, 58.836, 116.299
Yxy	41.8038, 0.3714, 0.4853
Android (android.graphics.Color)	4288460871 (0xFF9CB847)
YUV	162.7460, -45.2308, -5.9162
Hunter-Lab	64.6559, -24.8359, 33.9394

Details

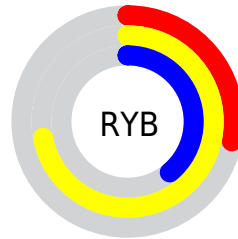
The XYZ color **31.9881, 41.8038, 12.3442** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.0521, 10.6209, 46.5538**, and the grayscale version is **34.8940, 36.7112, 39.9785**.

A 20% lighter version of the original color is **62.2388, 77.9215, 30.8288**, and **13.6622, 19.0839, 3.3113** is the 20% darker color. If you saturate the color by 10%, you get **30.6192, 41.1577, 9.6509**, and if you desaturate by 10%, it is **33.5710, 42.5423, 15.9824**.

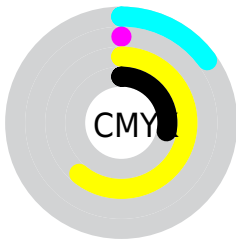
Distribution



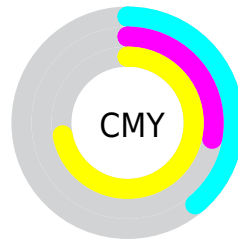
- Red (61%)
- Green (72%)
- Blue (28%)



- Red (28%)
- Yellow (72%)
- Blue (39%)



- Cyan (15%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)





- Cyan (39%)
- Magenta (28%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9881, 41.8038, 12.3442 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 31.9881, 41.8038, 12.3442 by changing the saturation by 10% instead.


 31.9881, 41.8038,
12.3442


 31.9881, 41.8038,
12.3442


302.8113,
353.6690, 217.7290

 21.5079, 28.9477,
6.8532


 62.1578, 77.9026,
30.7942


 13.6103, 19.0413,
3.2934


 82.5779, 101.9141,
44.5902


 7.9300, 11.7001,
1.2463

 107.0421,
130.4128, 61.9917

 4.1016, 6.5398,
0.0172

 135.9158,
163.7832, 83.4171

 1.7598, 3.1760,
0.0000

 169.5641,
202.4096, 109.2850

 0.4933, 1.2243,
0.0000

208.3526,

 0.0000, 0.0814,

246.6764, 140.0139

0.0000

252.6465,
296.9681, 176.0224

■ 0.0000, 0.0000,
0.0000

■ 31.9881, 41.8038,
12.3442

■ 31.9881, 41.8038,
12.3442

■ 30.6192, 41.1577,
9.6509

■ 33.5710, 42.5423,
15.9824

■ 29.4441, 40.5914,
7.8118

■ 35.3798, 43.3736,
20.6400

■ 28.4437, 40.0987,
6.7232

■ 37.4290, 44.3049,
26.3869

■ 27.6895, 39.7205,
6.2074

■ 39.7310, 45.3413,
33.2864

■ 42.2970, 46.4873,
41.3965

■ 45.1379, 47.7472,
50.7719

■ 48.2636, 49.1252,
61.4633

■ 51.6835, 50.6249,
73.5192

■ 55.4068, 52.2501,
86.9853

Harmonies

Analogous

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



40.9566, 41.8038, 10.1992



31.9881, 41.8038, 12.3442



26.0810, 41.8038, 21.7415

Triad

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



31.9881, 41.8038, 12.3442



30.2070, 41.8038, 106.4385



61.5469, 41.8038, 49.0743

Complementary

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



31.9881, 41.8038, 12.3442



16.0521, 10.6209, 46.5538

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.



57.4721, 41.8038, 82.3081



31.9881, 41.8038, 12.3442



38.5345, 41.8038, 122.9334

Square

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



31.9881, 41.8038, 12.3442



25.1770, 41.8038, 73.7100



48.6374, 41.8038, 112.6664



59.0349, 41.8038, 25.6226

Rectangle

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



31.9881, 41.8038, 12.3442



24.1526, 41.8038, 33.9410



48.6374, 41.8038, 112.6664



60.8871, 41.8038, 59.4652

Sweetspot

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



31.9891, 41.8057, 12.3451



73.4143, 82.8137, 64.6711



25.2146, 19.2638, 8.3511



15.5464, 17.7275, 13.0708



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.



31.9891, 41.8057, 12.3451



54.6478, 74.1961, 16.0449



23.6610, 37.5124, 11.9553



9.5269, 10.3883, 9.6099



19.1493, 27.4081, 4.2810



0.7278, 0.9934, 0.1534

Inverse Universe

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



16.0521, 10.6209, 46.5538



23.4011, 12.8352, 83.4487



24.2075, 14.8251, 46.9355



8.7241, 8.8241, 11.3229



6.7824, 2.8077, 31.4375



0.2972, 0.1289, 1.1110

Previews

White Background



This preview shows how the XYZ color 31.9881, 41.8038, 12.3442 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 31.9881, 41.8038, 12.3442 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 31.9881, 41.8038, 12.3442

Background



This preview shows how black text looks on a background with the XYZ color 31.9881, 41.8038, 12.3442.



This preview shows how white text looks on a background with the XYZ color 31.9881, 41.8038,

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

31.9881, 41.8038, 12.3442

Protanopia

37.9793, 41.6420, 11.5048

Deuteranopia

42.3466, 41.3829, 12.7770



Tritanopia

39.9776, 41.4852, 52.3548

Trichromacy



Original Color

31.9881, 41.8038, 12.3442

Protanomaly

35.6187, 41.5773, 11.7781

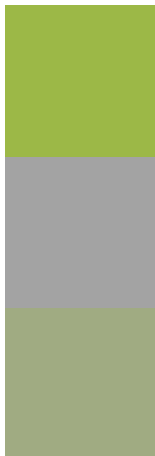
Deuteranomaly

37.8252, 40.9713, 12.5713

Tritanomaly

35.8692, 40.9568, 32.4005

Monochromacy



Original Color

31.9881, 41.8038, 12.3442

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.0894, 38.2111, 26.7506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9881, 41.8038, 12.3442 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(156, 184, 71)` looks like.

```
.text, #text, p{  
    color:rgb(156, 184, 71)  
}
```

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(156, 184, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 184, 71) }
```

Border

The CSS property to change the border of an element to XYZ 31.9881, 41.8038, 12.3442 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(156, 184, 71) }
```


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

```
.border{ border-color:rgb(156, 184, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 184, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 184, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 184, 71);  
box-shadow:4px 4px 4px 4px rgb(156, 184,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9881, 41.8038, 12.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 184, 71) }
```

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

```
.background{ background-color: rgb(156,  
184, 71) }
```

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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