

Converting Colors

XYZ(31.4722, 41.9601, 13.1726)

Have a look what the booklet for
XYZ(31.4722, 41.9601, 13.1726)
contains.

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Color

**XYZ(31.3815, 41.7852,
13.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	97B94B
RGB	151, 185, 75
RGB Percent	59%, 73%, 29%
CMY	0.4078, 0.2745, 0.7059
CMYK	0.18, 0.00, 0.59, 0.27
HSL	79°, 44%, 51%
HSV	79°, 59%, 73%
XYZ	31.3815, 41.7852, 13.0680
YIQ	162.2940, 15.0460, -41.4180

Conversions

Conversions Part 2

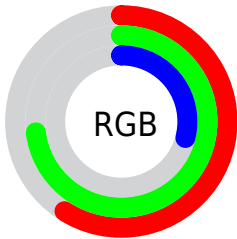
Format	Color
RYB	75, 185, 109
Decimal	9943371
CIELab	70.72, -28.22, 50.87
CIELCh	71, 58.174, 119.024
Yxy	41.7852, 0.3639, 0.4846
Android (android.graphics.Color)	4288133451 (0xFF97B94B)
YUV	162.2940, -43.0359, -9.9048
Hunter-Lab	64.6415, -26.4662, 33.2629

Details

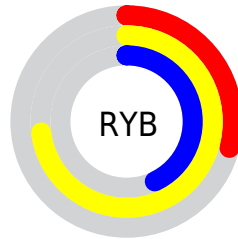
The XYZ color **31.3815, 41.7852, 13.0680** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.5813, 11.7872, 47.2498**, and the grayscale version is **34.6723, 36.4779, 39.7245**.

A 20% lighter version of the original color is **61.0837, 77.7345, 32.2069**, and **13.2986, 19.0909, 3.6001** is the 20% darker color. If you saturate the color by 10%, you get **29.8027, 41.0355, 10.1561**, and if you desaturate by 10%, it is **33.1979, 42.6388, 16.9537**.

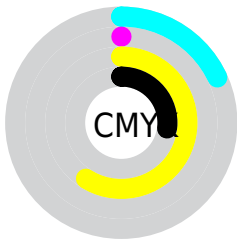
Distribution



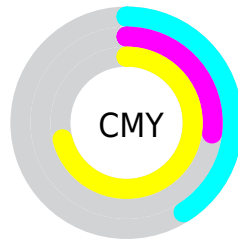
- Red (59%)
- Green (73%)
- Blue (29%)



- Red (29%)
- Yellow (73%)
- Blue (43%)



- Cyan (18%)
- Magenta (0%)
- Yellow (59%)
- Black (27%)



- Cyan (41%)
- Magenta (27%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3815, 41.7852, 13.0680 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 31.3815, 41.7852, 13.0680 by changing the saturation by 10% instead.

■ 31.3815, 41.7852,
13.0680

■ 31.3815, 41.7852,
13.0680

300.0876,
353.5917, 222.5761

■ 21.0428, 28.9331,
7.3441

■ 61.2120, 77.8744,
32.1189

■ 13.2679, 19.0302,
3.5965

■ 81.4344, 101.8804,
46.2829

■ 7.6916, 11.6921,
1.4067

■ 105.6822,
130.3731, 64.0975

■ 3.9484, 6.5344,
0.1470

■ 134.3206,
163.7369, 85.9810

■ 1.6730, 3.1727,
0.0000

■ 167.7149,
202.3563, 112.3521

■ 0.4393, 1.2225,
0.0000

206.2307,

■ 0.0000, 0.0800,

246.6157, 143.6293

0.0000

250.2331,
296.8993, 180.2311

■ 0.0000, 0.0000,
0.0000

■ 31.3815, 41.7852,
13.0680

■ 31.3815, 41.7852,
13.0680

■ 29.8027, 41.0355,
10.1561

■ 33.1979, 42.6388,
16.9537

■ 28.4413, 40.3771,
8.1285

■ 35.2642, 43.5970,
21.8869

■ 27.2783, 39.8039,
6.8840

■ 37.5950, 44.6671,
27.9373

■ 26.2761, 39.3007,
6.2297

■ 40.2030, 45.8542,
35.1677

■ 26.2241, 39.2745,
6.1986

■ 43.0999, 47.1632,
43.6365

■ 46.2968, 48.5985,
53.3980

■ 49.8039, 50.1643,
64.5034

■ 53.6310, 51.8646,
77.0010

■ 57.7876, 53.7032,
90.9368

Harmonies

Analogous

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



40.0323, 41.7852, 10.3774



31.3815, 41.7852, 13.0680



25.8446, 41.7852, 23.2731

Triad

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



31.3815, 41.7852, 13.0680



30.9162, 41.7852, 107.9039



61.2897, 41.7852, 46.4077

Complementary

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



31.3815, 41.7852, 13.0680



17.5813, 11.7872, 47.2498

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.



57.8290, 41.7852, 78.6668



31.3815, 41.7852, 13.0680



39.4005, 41.7852, 121.9263

Square

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



31.3815, 41.7852, 13.0680



25.6082, 41.7852, 76.4310



49.4082, 41.7852, 109.5208



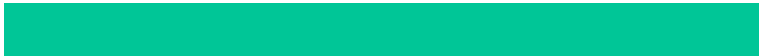
58.2358, 41.7852, 24.2898

Rectangle

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



31.3815, 41.7852, 13.0680



24.1519, 41.7852, 36.1165



49.4082, 41.7852, 109.5208



60.8414, 41.7852, 56.3755

Sweetspot

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



31.3825, 41.7871, 13.0689



72.5767, 82.3819, 64.6319



26.6417, 21.5487, 9.4124



15.3396, 17.6208, 13.0611



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.



31.3825, 41.7871, 13.0689



52.6778, 73.1560, 17.0582



23.5501, 37.7493, 12.7023



9.4727, 10.3603, 9.6074



17.9326, 26.7809, 4.2241



0.6925, 0.9752, 0.1517

Inverse Universe

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



17.5813, 11.7872, 47.2498



25.8868, 14.7396, 83.6852



26.3788, 16.3225, 47.6615



8.7753, 8.8505, 11.3252



7.1856, 3.0155, 31.4564



0.3187, 0.1400, 1.1120

Previews

White Background



This preview shows how the XYZ color 31.3815, 41.7852, 13.0680 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 31.3815, 41.7852, 13.0680 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 31.3815, 41.7852, 13.0680

Background



This preview shows how black text looks on a background with the XYZ color 31.3815, 41.7852, 13.0680.



This preview shows how white text looks on a background with the XYZ color 31.3815, 41.7852,

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

31.3815, 41.7852, 13.0680

Protanopia

37.8191, 41.5485, 11.9876

Deuteranopia

42.2012, 41.2911, 13.5303



Tritanopia

39.4155, 41.7525, 52.9953

Trichromacy



Original Color

31.3815, 41.7852, 13.0680

Protanomaly

35.0233, 41.2593, 12.2488

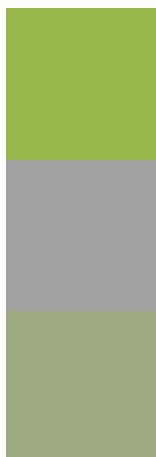
Deuteranomaly

37.3990, 41.0167, 13.3430

Tritanomaly

35.4068, 41.2870, 33.2972

Monochromacy



Original Color

31.3815, 41.7852, 13.0680

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.5045, 37.6303, 26.6693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3815, 41.7852, 13.0680 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, 185, 75)` looks like.

```
.text, #text, p{  
    color:rgb(151, 185, 75)  
}
```

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, 185, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 185, 75) }
```

Border

The CSS property to change the border of an element to XYZ 31.3815, 41.7852, 13.0680 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, 185, 75) }
```


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

```
.border{ border-color:rgb(151, 185, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 185, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 185, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 185, 75);  
box-shadow:4px 4px 4px 4px rgb(151, 185,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3815, 41.7852, 13.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 185, 75) }
```

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

```
.background{ background-color: rgb(151,  
185, 75) }
```

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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