

Converting Colors

XYZ(31.8505, 19.5816, 42.1515)

Have a look what the booklet for
XYZ(31.8505, 19.5816, 42.1515)
contains.

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Color

**XYZ(31.8502, 19.5811,
42.1452)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4EAE
RGB	191, 78, 174
RGB Percent	75%, 31%, 68%
CMY	0.2510, 0.6941, 0.3176
CMYK	0.00, 0.59, 0.09, 0.25
HSL	309°, 47%, 53%
HSV	309°, 59%, 75%
XYZ	31.8502, 19.5811, 42.1452
YIQ	122.7310, 36.5320, 53.8120

Conversions

Conversions Part 2

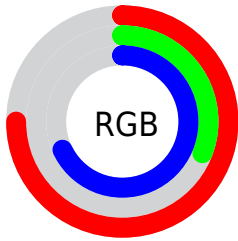
Format	Color
RYB	191, 78, 174
Decimal	12537518
CIELab	51.36, 56.95, -29.62
CIElCh	51, 64.188, 332.521
Yxy	19.5811, 0.3404, 0.2093
Android (android.graphics.Color)	4290727598 (0xFFBF4EAE)
YUV	122.7310, 25.2756, 59.8719
Hunter-Lab	44.2505, 51.0405, -25.4937

Details

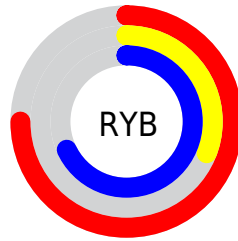
The XYZ color **31.8502, 19.5811, 42.1452** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.8391, 39.7082, 17.2359**, and the grayscale version is **18.6500, 19.6213, 21.3676**.

A 20% lighter version of the original color is **62.0948, 42.8122, 79.8537**, and **13.5999, 6.8454, 18.6937** is the 20% darker color. If you saturate the color by 10%, you get **30.4080, 17.1398, 40.2971**, and if you desaturate by 10%, it is **33.6938, 22.8147, 44.1570**.

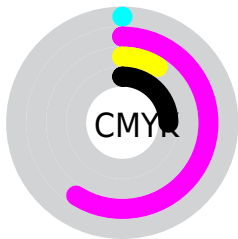
Distribution



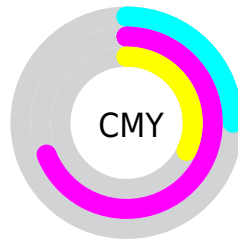
- Red (75%)
- Green (31%)
- Blue (68%)



- Red (75%)
- Yellow (31%)
- Blue (68%)



- Cyan (0%)
- Magenta (59%)
- Yellow (9%)
- Black (25%)





- Cyan (25%)
- Magenta (69%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8502, 19.5811, 42.1452 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 31.8502, 19.5811, 42.1452 by changing the saturation by 10% instead.

 31.8502, 19.5811,
42.1452


 31.8502, 19.5811,
42.1452


302.1937,
249.6383, 370.9019


 21.4021, 12.0909,
28.8886


 61.9430, 42.7137,
79.6918


 13.5324, 6.8056,
18.7517


 82.3183, 59.1250,
104.8189


 7.8757, 3.3408,
11.3160


 106.7335, 79.2787,
134.7398

 4.0666, 1.3122,
6.1630

 135.5538,
103.5593, 169.8732

 1.7399, 0.1506,
2.8740

 169.1446,
132.3512, 210.6376

 0.4810, 0.0000,
1.0307

207.8713,

 0.0000, 0.0000,

166.0387, 257.4514

0.0000

252.0992,
205.0062, 310.7334

■ 31.8502, 19.5811,
42.1452

■ 31.8502, 19.5811,
42.1452

■ 30.4080, 17.1398,
40.2971

■ 33.6938, 22.8147,
44.1570

■ 29.3298, 15.4176,
38.5996

■ 35.9677, 26.8997,
46.3418

■ 28.5750, 14.3325,
37.0390

■ 38.7006, 31.8930,
48.7096

■ 28.0702, 13.7380,
35.5908

■ 41.9181, 37.8456,
51.2690

■ 28.0312, 13.6945,
35.4716

■ 45.6437, 44.8047,
54.0281

■ 49.8997, 52.8146,
56.9944

■ 54.7068, 61.9168,
60.1751

■ 60.0846, 72.1505,
63.5768

■ 66.0519, 83.5531,
67.2059

Harmonies

Analogous

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



26.0671, 19.5811, 67.1760



31.8502, 19.5811, 42.1452



33.8666, 19.5811, 19.8030

Triad

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



31.8502, 19.5811, 42.1452



18.0736, 19.5811, 1.9152



10.0230, 19.5811, 46.5313

Complementary

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



31.8502, 19.5811, 42.1452



23.8391, 39.7082, 17.2359

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.



8.8029, 19.5811, 22.9136



31.8502, 19.5811, 42.1452



12.7328, 19.5811, 3.2462

Square

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



31.8502, 19.5811, 42.1452



24.9075, 19.5811, 2.8227



9.6679, 19.5811, 8.8152



13.4770, 19.5811, 70.5737

Rectangle

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



31.8502, 19.5811, 42.1452



32.5002, 19.5811, 10.4445



9.6679, 19.5811, 8.8152



9.3792, 19.5811, 37.9291

Sweetspot

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



31.8509, 19.5820, 42.1456



75.6216, 68.7981, 92.2400



16.8434, 11.6416, 50.6500



16.2074, 14.3670, 19.9484



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.8509, 19.5820, 42.1456



53.8229, 29.6545, 71.2433



27.4544, 17.8234, 18.9941



9.8666, 9.6709, 11.6864



18.4452, 9.0092, 23.4358



0.7395, 0.3597, 1.0075

Inverse Universe

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



31.8509, 19.5820, 42.1456



53.8229, 29.6545, 71.2433



27.3961, 41.1310, 35.9663



9.8666, 9.6709, 11.6864



18.4452, 9.0092, 23.4358



0.7395, 0.3597, 1.0075

Previews

White Background



This preview shows how the XYZ color 31.8502, 19.5811, 42.1452 looks on a white background.

Color Contrast Check

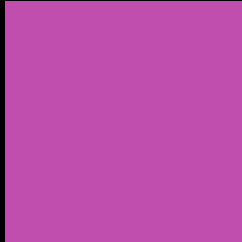
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8502, 19.5811, 42.1452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

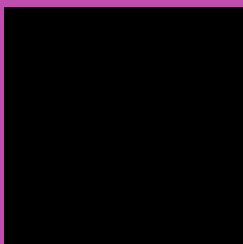
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8502, 19.5811, 42.1452

Background



This preview shows how black text looks on a background with the XYZ color 31.8502, 19.5811, 42.1452.



This preview shows how white text looks on a background with the XYZ color 31.8502, 19.5811,

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

31.8502, 19.5811, 42.1452

Protanopia

21.9714, 19.9677, 63.0177

Deuteranopia

20.2428, 19.7798, 39.3102



Tritanopia

26.1595, 19.4123, 15.2002

Trichromacy



Original Color

31.8502, 19.5811, 42.1452



Protanomaly

23.3276, 18.3738, 54.5415



Deuteranomaly

22.9547, 18.4944, 40.3901



Tritanomaly

27.7845, 19.1688, 23.0044

Monochromacy



Original Color

31.8502, 19.5811, 42.1452



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

22.3529, 18.7643, 28.0349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8502, 19.5811, 42.1452 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(191, 78, 174)` looks like.

```
.text, #text, p{  
    color:rgb(191, 78, 174)  
}
```

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(191, 78, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 78, 174) }
```

Border

The CSS property to change the border of an element to XYZ 31.8502, 19.5811, 42.1452 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(191, 78, 174) }
```


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

```
.border{ border-color:rgb(191, 78, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 78, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 78, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 78, 174); box-shadow:4px 4px 4px 4px rgb(191, 78, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8502, 19.5811, 42.1452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 78, 174) }
```

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

```
.background{ background-color: rgb(191, 78,  
174) }
```

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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