

Converting Colors

XYZ(31.3152, 18.9180, 47.8997)

Have a look what the booklet for
XYZ(31.3152, 18.9180, 47.8997)
contains.

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Color

**XYZ(31.3490, 18.9860,
47.9113)**

Conversions

Conversions Part 1

Format	Color
Hex	B94CB9
RGB	185, 76, 185
RGB Percent	73%, 30%, 73%
CMY	0.2745, 0.7019, 0.2745
CMYK	0.00, 0.59, 0.00, 0.27
HSL	300°, 44%, 51%
HSV	300°, 59%, 73%
XYZ	31.3490, 18.9860, 47.9113
YIQ	121.0170, 29.9750, 57.0070

Conversions

Conversions Part 2

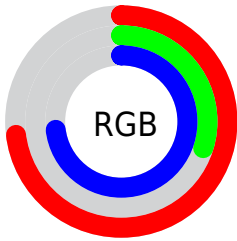
Format	Color
R_{YB}	185, 76, 185
Decimal	12143801
CIE _{Lab}	50.67, 58.09, -37.17
CIE _{LCh}	51, 68.962, 327.383
Yxy	18.9860, 0.3191, 0.1932
Android (android.graphics.Color)	4290333881 (0xFFB94CB9)
YUV	121.0170, 31.5436, 56.1131
Hunter-Lab	43.5729, 52.1711, -34.6922

Details

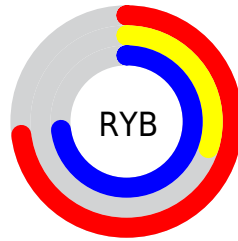
The XYZ color **31.3490, 18.9860, 47.9113** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **21.6349, 36.7570, 12.7931**, and the grayscale version is **18.0749, 19.0162, 20.7086**.

A 20% lighter version of the original color is **60.9556, 41.6382, 88.0433**, and **13.2585, 6.5229, 22.0330** is the 20% darker color. If you saturate the color by 10%, you get **30.2531, 16.7937, 47.5461**, and if you desaturate by 10%, it is **32.8127, 21.9128, 48.3994**.

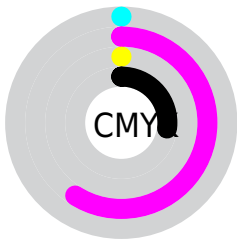
Distribution



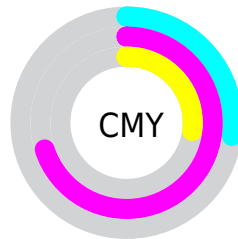
- Red (73%)
- Green (30%)
- Blue (73%)



- Red (73%)
- Yellow (30%)
- Blue (73%)



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



- Cyan (27%)
- Magenta (70%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3490, 18.9860, 47.9113 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 31.3490, 18.9860, 47.9113 by changing the saturation by 10% instead.

31.3490, 18.9860,
47.9113

31.3490, 18.9860,
47.9113

299.9412,
246.3715, 394.9390

21.0179, 11.6602,
33.3972

61.1612, 41.7104,
88.4365

13.2496, 6.5127,
22.1573

81.3731, 57.8778,
115.2846

7.6788, 3.1593,
13.7731

105.6091, 77.7612,
147.0812

3.9402, 1.2154,
7.8261

134.2349,
101.7449, 184.2447

1.6684, 0.0743,
3.8977

167.6156,
130.2134, 227.1937

0.4363, 0.0000,
1.5694

206.1166,

0.0000, 0.0000,

163.5511, 276.3467

0.2688

250.1034,
202.1423, 332.1223

■ 0.0000, 0.0000,
0.0000

■ 31.3490, 18.9860,
47.9113

■ 31.3490, 18.9860,
47.9113

■ 30.2531, 16.7937,
47.5461

■ 32.8127, 21.9128,
48.3994

■ 29.4905, 15.2686,
47.2918

■ 34.6707, 25.6288,
49.0188

■ 29.0240, 14.3355,
47.1362

■ 36.9493, 30.1860,
49.7784

■ 28.7866, 13.8607,
47.0570

■ 39.6722, 35.6318,
50.6862

■ 28.7648, 13.8172,
47.0498

■ 42.8612, 42.0097,
51.7492

■ 46.5366, 49.3605,
52.9744

■ 50.7176, 57.7225,
54.3682

■ 55.4224, 67.1320,
55.9365

■ 60.6681, 77.6235,
57.6851

Harmonies

Analogous

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



24.7047, 18.9860, 74.4339



31.3490, 18.9860, 47.9113



34.3831, 18.9860, 22.4180

Triad

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



31.3490, 18.9860, 47.9113



18.6452, 18.9860, 1.3300



8.7934, 18.9860, 42.9416

Complementary

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



31.3490, 18.9860, 47.9113



21.6349, 36.7570, 12.7931

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.



7.9303, 18.9860, 19.0201



31.3490, 18.9860, 47.9113



12.7056, 18.9860, 2.1094

Square

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



31.3490, 18.9860, 47.9113



25.9929, 18.9860, 2.5025



9.1658, 18.9860, 6.4039



11.9098, 18.9860, 70.5147

Rectangle

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



31.3490, 18.9860, 47.9113



33.4996, 18.9860, 11.4300



9.1658, 18.9860, 6.4039



8.2702, 18.9860, 33.8999

Sweetspot

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



31.3497, 18.9869, 47.9117



71.3821, 64.4765, 90.8873



14.3228, 10.2092, 47.1153



15.0629, 13.2485, 19.4849



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.



31.3497, 18.9869, 47.9117



53.6767, 29.0658, 84.9848



26.6558, 17.1093, 23.1942



9.3810, 9.1628, 11.3536



19.5860, 9.4081, 32.0362



0.6905, 0.3317, 1.1294

Inverse Universe

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



31.3497, 18.9869, 47.9117



53.6767, 29.0658, 84.9848



24.3933, 37.8604, 27.3188



9.3810, 9.1628, 11.3536



19.5860, 9.4081, 32.0362



0.6905, 0.3317, 1.1294

Previews

White Background



This preview shows how the XYZ color 31.3490, 18.9860, 47.9113 looks on a white background.

Color Contrast Check

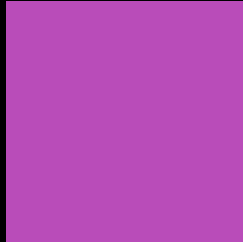
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3490, 18.9860, 47.9113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

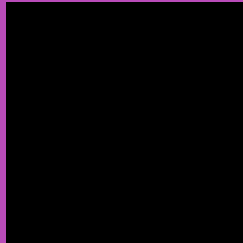
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3490, 18.9860, 47.9113

Background



This preview shows how black text looks on a background with the XYZ color 31.3490, 18.9860, 47.9113.



This preview shows how white text looks on a background with the XYZ color 31.3490, 18.9860,

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

31.3490, 18.9860, 47.9113

Protanopia

22.1816, 19.5135, 72.4094

Deuteranopia

19.5820, 19.1487, 44.2589



Tritanopia

24.8220, 18.9854, 15.7209

Trichromacy



Original Color

31.3490, 18.9860, 47.9113



Protanomaly

22.9144, 17.6835, 62.5271



Deuteranomaly

22.2418, 17.8630, 45.4557



Tritanomaly

26.5496, 18.6173, 24.7484

Monochromacy



Original Color

31.3490, 18.9860, 47.9113



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.5872, 18.0461, 28.7310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3490, 18.9860, 47.9113 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(185, 76, 185)` looks like.

```
.text, #text, p{  
    color:rgb(185, 76, 185)  
}
```

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(185, 76, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 76, 185) }
```

Border

The CSS property to change the border of an element to XYZ 31.3490, 18.9860, 47.9113 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(185, 76, 185) }
```


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

```
.border{ border-color:rgb(185, 76, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 76, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 76, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 76, 185);  
box-shadow:4px 4px 4px 4px rgb(185, 76,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3490, 18.9860, 47.9113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 76, 185) }
```

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

```
.background{ background-color: rgb(185, 76,  
185) }
```

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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