

Converting Colors

XYZ(31.3832, 17.8316, 50.9721)

Have a look what the booklet for
XYZ(31.3832, 17.8316, 50.9721)
contains.

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Color

**XYZ(31.4871, 17.8675,
51.0794)**

Conversions

Conversions Part 1

Format	Color
Hex	BA40BF
RGB	186, 64, 191
RGB Percent	73%, 25%, 75%
CMY	0.2706, 0.7490, 0.2510
CMYK	0.03, 0.66, 0.00, 0.25
HSL	298°, 50%, 50%
HSV	298°, 66%, 75%
XYZ	31.4871, 17.8675, 51.0794
YIQ	114.9560, 31.9450, 65.3610

Conversions

Conversions Part 2

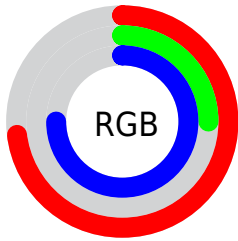
Format	Color
R_{YB}	186, 64, 191
Decimal	12206271
CIE Lab	49.34, 64.35, -42.76
CIE LCh	49, 77.260, 326.399
Yxy	17.8675, 0.3135, 0.1779
Android (android.graphics.Color)	4290396351 (0xFFBA40BF)
YUV	114.9560, 37.4897, 62.3056
Hunter-Lab	42.2700, 58.9931, -42.0576

Details

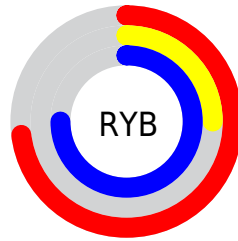
The XYZ color **31.4871, 17.8675, 51.0794** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **22.0110, 38.8974, 11.1991**, and the grayscale version is **16.1666, 17.0085, 18.5222**.

A 20% lighter version of the original color is **61.4368, 39.8645, 93.2635**, and **13.5686, 6.4733, 24.2012** is the 20% darker color. If you saturate the color by 10%, you get **30.4067, 15.9765, 50.7716**, and if you desaturate by 10%, it is **32.9386, 20.4980, 51.5109**.

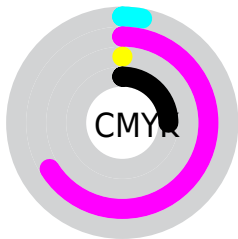
Distribution



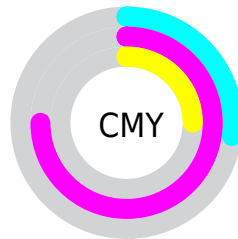
- Red (73%)
- Green (25%)
- Blue (75%)



- Red (73%)
- Yellow (25%)
- Blue (75%)



- Cyan (3%)
- Magenta (66%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (75%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4871, 17.8675, 51.0794 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 31.4871, 17.8675, 51.0794 by changing the saturation by 10% instead.

■ 31.4871, 17.8675,
51.0794

■ 31.4871, 17.8675,
51.0794

300.5631,
240.1231, 407.7276

■ 21.1237, 10.8549,
35.8946

■ 61.3768, 39.8114,
93.1848

■ 13.3274, 5.9693,
24.0638

■ 81.6338, 55.5115,
120.9426

■ 7.7329, 2.8265,
15.1683

■ 105.9193, 74.8763,
153.7284

■ 3.9749, 1.0418,
8.7897

■ 134.5988, 98.2900,
191.9608

■ 1.6879, 0.0000,
4.5093

■ 168.0376,
126.1372, 236.0584

■ 0.4487, 0.0000,
1.9087

206.6010,

■ 0.0000, 0.0000,

158.8022, 286.4397

0.4983

250.6544,
196.6694, 343.5232

■ 0.0000, 0.0000,
0.0000

■ 31.4871, 17.8675,
51.0794

■ 31.4871, 17.8675,
51.0794

■ 30.4067, 15.9765,
50.7716

■ 32.9386, 20.4980,
51.5109

■ 29.6558, 14.7437,
50.5732

■ 34.7929, 23.9334,
52.0763

■ 29.1832, 14.0662,
50.4674

■ 37.0810, 28.2348,
52.7859

■ 29.0473, 13.8881,
50.4401

■ 39.8299, 33.4565,
53.6489

■ 43.0647, 39.6485,
54.6736

■ 46.8086, 46.8572,
55.8677

■ 51.0833, 55.1260,
57.2384

■ 55.9091, 64.4958,
58.7926

■ 61.3055, 75.0052,
60.5367

Harmonies

Analogous

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



23.9859, 17.8675, 81.8481



31.4871, 17.8675, 51.0794



35.1001, 17.8675, 22.0787

Triad

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



31.4871, 17.8675, 51.0794



17.8756, 17.8675, 0.5560



7.2874, 17.8675, 43.2317

Complementary

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



31.4871, 17.8675, 51.0794



22.0110, 38.8974, 11.1991

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.



6.5038, 17.8675, 17.0472



31.4871, 17.8675, 51.0794



11.4952, 17.8675, 1.1159

Square

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



31.4871, 17.8675, 51.0794



25.9514, 17.8675, 1.5332



7.7983, 17.8675, 4.6465



10.3624, 17.8675, 75.4692

Rectangle

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



31.4871, 17.8675, 51.0794



34.2296, 17.8675, 10.2004



7.7983, 17.8675, 4.6465



6.7933, 17.8675, 33.0856

Sweetspot

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



31.4878, 17.8683, 51.0798



74.8061, 66.5554, 97.1829



13.7312, 9.2767, 50.3573



16.0662, 13.9249, 21.2263



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.



31.4878, 17.8683, 51.0798



53.7469, 27.4217, 90.7393



27.6125, 16.4609, 24.2223



9.8918, 9.6766, 12.0186



19.1060, 9.1356, 33.1492



0.7600, 0.3638, 1.2990

Inverse Universe

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



24.3940, 15.1735, 7.2740



40.3444, 22.3720, 6.0967



24.2062, 39.7362, 24.5325



9.5450, 9.5423, 9.9929



14.1543, 7.2929, 0.8404



0.5597, 0.2878, 0.0606

Previews

White Background



This preview shows how the XYZ color 31.4871, 17.8675, 51.0794 looks on a white background.

Color Contrast Check

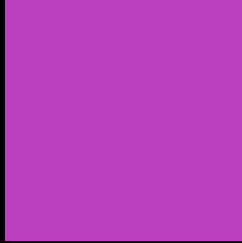
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.4871, 17.8675, 51.0794 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 31.4871, 17.8675, 51.0794

Background



This preview shows how black text looks on a background with the XYZ color 31.4871, 17.8675, 51.0794.



This preview shows how white text looks on a background with the XYZ color 31.4871, 17.8675,

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

31.4871, 17.8675, 51.0794

Protanopia

21.9288, 18.4546, 83.2952

Deuteranopia

18.6682, 18.2656, 46.7977



Tritanopia

23.8457, 17.8435, 13.9917

Trichromacy



Original Color

31.4871, 17.8675, 51.0794



Protanomaly

20.9803, 15.5175, 70.2960



Deuteranomaly

21.1507, 16.3757, 47.9450



Tritanomaly

25.7726, 17.2842, 23.8076

Monochromacy



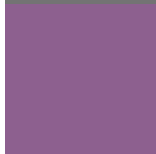
Original Color

31.4871, 17.8675, 51.0794



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

20.1253, 16.0116, 28.0164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4871, 17.8675, 51.0794 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(186, 64, 191)` looks like.

```
.text, #text, p{  
    color:rgb(186, 64, 191)  
}
```

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(186, 64, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 64, 191) }
```

Border

The CSS property to change the border of an element to XYZ 31.4871, 17.8675, 51.0794 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(186, 64, 191) }
```


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

```
.border{ border-color:rgb(186, 64, 191) }
```

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

Here you see how a box with a 4 pixel rgb(186, 64, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 64, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 64, 191);  
box-shadow:4px 4px 4px 4px rgb(186, 64,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4871, 17.8675, 51.0794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 64, 191) }
```

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

```
.background{ background-color: rgb(186, 64,  
191) }
```

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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