

Converting Colors

XYZ(31.3028, 18.3646, 48.3493)

Have a look what the booklet for
XYZ(31.3028, 18.3646, 48.3493)
contains.

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Color

**XYZ(31.3028, 18.3646,
48.3493)**

Conversions

Conversions Part 1

Format	Color
Hex	BA46BA
RGB	186, 70, 186
RGB Percent	73%, 27%, 73%
CMY	0.2706, 0.7255, 0.2706
CMYK	0.00, 0.62, 0.00, 0.27
HSL	300°, 46%, 50%
HSV	300°, 62%, 73%
XYZ	31.3028, 18.3646, 48.3493
YIQ	117.9080, 31.9000, 60.6680

Conversions

Conversions Part 2

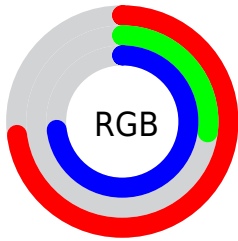
Format	Color
R_{YB}	186, 70, 186
Decimal	12207802
CIE _{Lab}	49.94, 61.09, -38.90
CIE _{LCh}	50, 72.422, 327.510
Yxy	18.3646, 0.3194, 0.1874
Android (android.graphics.Color)	4290397882 (0xFFBA46BA)
YUV	117.9080, 33.5694, 59.7167
Hunter-Lab	42.8539, 55.3915, -36.8953

Details

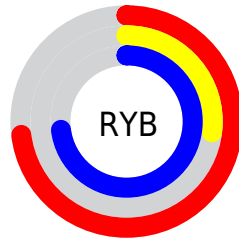
The XYZ color **31.3028, 18.3646, 48.3493** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **21.1910, 36.8629, 11.7937**, and the grayscale version is **17.0834, 17.9730, 19.5726**.

A 20% lighter version of the original color is **61.2947, 40.8053, 89.4396**, and **13.2181, 6.3331, 22.3555** is the 20% darker color. If you saturate the color by 10%, you get **30.3146, 16.3877, 48.0200**, and if you desaturate by 10%, it is **32.6526, 21.0637, 48.7995**.

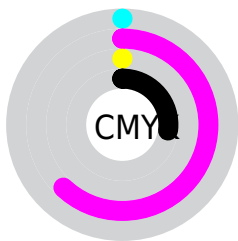
Distribution



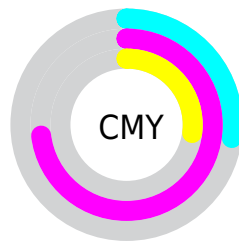
- Red (73%)
- Green (27%)
- Blue (73%)



- Red (73%)
- Yellow (27%)
- Blue (73%)



- Cyan (0%)
- Magenta (62%)
- Yellow (0%)
- Black (27%)





- Cyan (27%)
- Magenta (73%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3028, 18.3646, 48.3493 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 31.3028, 18.3646, 48.3493 by changing the saturation by 10% instead.


 31.3028, 18.3646,
48.3493

 31.3028, 18.3646,
48.3493


299.7329,
242.9182, 396.7236

 20.9825, 11.2121,
33.7416


 61.0891, 40.6576,
89.0952


 13.2236, 6.2097,
22.4194


 81.2858, 56.5669,
116.0705

 7.6608, 2.9730,
13.9642


 105.5053, 76.1639,
148.0055

 3.9286, 1.1176,
7.9573

 134.1130, 99.8330,
185.3186

 1.6618, 0.0000,
3.9802

 167.4743,
127.9585, 228.4284

 0.4322, 0.0000,
1.6145

205.9545,

 0.0000, 0.0000,

160.9250, 277.7535

0.3011

249.9189,
199.1167, 333.7124

■ 0.0000, 0.0000,
0.0000

■ 31.3028, 18.3646,
48.3493

■ 31.3028, 18.3646,
48.3493

■ 30.3146, 16.3877,
48.0200

■ 32.6526, 21.0637,
48.7995

■ 29.6514, 15.0614,
47.7989

■ 34.3922, 24.5428,
49.3794

■ 29.2728, 14.3041,
47.6726

■ 36.5491, 28.8565,
50.0984

■ 29.1129, 13.9844,
47.6193

■ 39.1479, 34.0541,
50.9647

■ 42.2113, 40.1810,
51.9859

■ 45.7604, 47.2792,
53.1690

■ 49.8151, 55.3886,
54.5207

■ 54.3941, 64.5465,
56.0470

■ 59.5151, 74.7885,
57.7541

Harmonies

Analogous

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



24.3725, 18.3646, 76.6488



31.3028, 18.3646, 48.3493



34.4681, 18.3646, 21.7026

Triad

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



31.3028, 18.3646, 48.3493



18.0412, 18.3646, 0.9608



8.0933, 18.3646, 43.3515

Complementary

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



31.3028, 18.3646, 48.3493



21.1910, 36.8629, 11.7937

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.



7.2297, 18.3646, 18.3811



31.3028, 18.3646, 48.3493



11.9885, 18.3646, 1.6456

Square

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



31.3028, 18.3646, 48.3493



25.6485, 18.3646, 1.9802



8.4456, 18.3646, 5.6915



11.2237, 18.3646, 72.6537

Rectangle

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



31.3028, 18.3646, 48.3493



33.5235, 18.3646, 10.5610



8.4456, 18.3646, 5.6915



7.5715, 18.3646, 33.8385

Sweetspot

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



31.3035, 18.3654, 48.3497



72.5585, 64.9276, 92.9092



13.5797, 9.2285, 47.5206



15.6453, 13.6315, 20.3491



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.3035, 18.3654, 48.3497



54.4137, 28.6383, 86.8603



26.3370, 16.3788, 22.1965



9.3810, 9.1628, 11.3536



19.5860, 9.4082, 32.0363



0.6905, 0.3317, 1.1294

Inverse Universe

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



31.3035, 18.3654, 48.3497



54.4137, 28.6383, 86.8603



23.9818, 37.9792, 26.4900



9.3810, 9.1628, 11.3536



19.5860, 9.4082, 32.0363



0.6905, 0.3317, 1.1294

Previews

White Background



This preview shows how the XYZ color 31.3028, 18.3646, 48.3493 looks on a white background.

Color Contrast Check

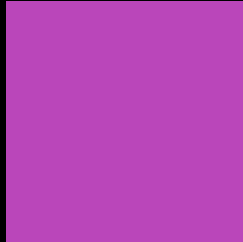
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3028, 18.3646, 48.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

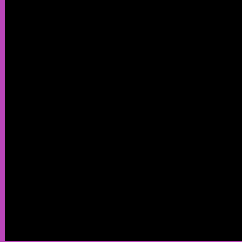
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3028, 18.3646, 48.3493

Background



This preview shows how black text looks on a background with the XYZ color 31.3028, 18.3646, 48.3493.



This preview shows how white text looks on a background with the XYZ color 31.3028, 18.3646,

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

31.3028, 18.3646, 48.3493

Protanopia

21.8799, 18.9330, 75.9000

Deuteranopia

19.1469, 18.7352, 44.7266



Tritanopia

24.3950, 18.3738, 14.8311

Trichromacy



Original Color

31.3028, 18.3646, 48.3493



Protanomaly

22.0656, 16.6113, 64.9941



Deuteranomaly

21.7466, 17.1556, 45.8813



Tritanomaly

26.3838, 18.0523, 24.2842

Monochromacy



Original Color

31.3028, 18.3646, 48.3493



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

20.9393, 17.1302, 28.1894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3028, 18.3646, 48.3493 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, 70, 186)` looks like.

```
.text, #text, p{  
    color:rgb(186, 70, 186)  
}
```

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, 70, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 70, 186) }
```

Border

The CSS property to change the border of an element to XYZ 31.3028, 18.3646, 48.3493 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, 70, 186) }
```


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

```
.border{ border-color:rgb(186, 70, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 70, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 70, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 70, 186);  
box-shadow:4px 4px 4px 4px rgb(186, 70,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3028, 18.3646, 48.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 70, 186) }
```

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

```
.background{ background-color: rgb(186, 70,  
186) }
```

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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