

Converting Colors

XYZ(31.0296, 18.3286, 50.0466)

Have a look what the booklet for
XYZ(31.0296, 18.3286, 50.0466)
contains.

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Color

**XYZ(31.0311, 18.3761,
50.0555)**

Conversions

Conversions Part 1

Format	Color
Hex	B748BD
RGB	183, 72, 189
RGB Percent	72%, 28%, 74%
CMY	0.2823, 0.7176, 0.2588
CMYK	0.03, 0.62, 0.00, 0.26
HSL	297°, 47%, 51%
HSV	297°, 62%, 74%
XYZ	31.0311, 18.3761, 50.0555
YIQ	118.5270, 28.5990, 59.9190

Conversions

Conversions Part 2

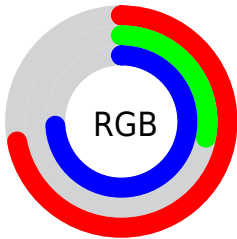
Format	Color
R_{YB}	183, 72, 189
Decimal	12011709
CIE _{Lab}	49.95, 60.03, -40.65
CIE _{LCh}	50, 72.496, 325.892
Yxy	18.3761, 0.3120, 0.1848
Android (android.graphics.Color)	4290201789 (0xFFB748BD)
YUV	118.5270, 34.7432, 56.5428
Hunter-Lab	42.8674, 54.1959, -39.2248

Details

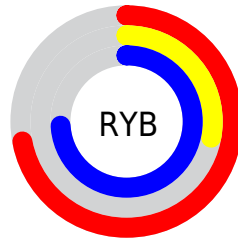
The XYZ color **31.0311, 18.3761, 50.0555** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **22.5097, 38.4832, 12.3733**, and the grayscale version is **17.2739, 18.1735, 19.7910**.

A 20% lighter version of the original color is **60.4996, 40.5333, 91.8238**, and **13.1256, 6.2613, 23.4384** is the 20% darker color. If you saturate the color by 10%, you get **29.7623, 16.1789, 49.6985**, and if you desaturate by 10%, it is **32.6784, 21.3267, 50.5385**.

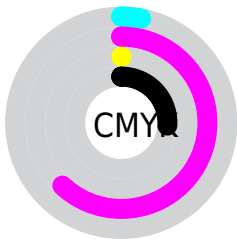
Distribution



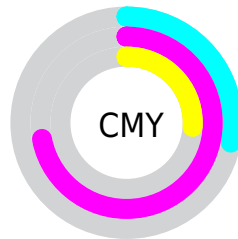
- Red (72%)
- Green (28%)
- Blue (74%)



- Red (72%)
- Yellow (28%)
- Blue (74%)



- Cyan (3%)
- Magenta (62%)
- Yellow (0%)
- Black (26%)



- Cyan (28%)
- Magenta (72%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0311, 18.3761, 50.0555 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 31.0311, 18.3761, 50.0555 by changing the saturation by 10% instead.

31.0311, 18.3761,
50.0555

31.0311, 18.3761,
50.0555

298.5059,
242.9825, 403.6242

20.7745, 11.2203,
35.0860

60.6645, 40.6772,
91.6543

13.0708, 6.2152,
23.4451

80.7721, 56.5912,
119.1206

7.5546, 2.9764,
14.7141

104.8939, 76.1936,
151.5896

3.8607, 1.1194,
8.4746

133.3955, 99.8685,
189.4799

1.6236, 0.0000,
4.3080

166.6421,
128.0005, 233.2100

0.4077, 0.0000,
1.7958

204.9992,

0.0000, 0.0000,

160.9739, 283.1984

0.4252

248.8320,
199.1731, 339.8636

■ 0.0000, 0.0000,
0.0000

■ 31.0311, 18.3761,
50.0555

■ 31.0311, 18.3761,
50.0555

■ 29.7623, 16.1789,
49.6985

■ 32.6784, 21.3267,
50.5385

■ 28.8341, 14.6613,
49.4545

■ 34.7333, 25.0907,
51.1567

■ 28.2048, 13.7391,
49.3097

■ 37.2243, 29.7246,
51.9198

■ 27.8473, 13.2948,
49.2428

■ 40.1770, 35.2796,
52.8364

■ 43.6149, 41.8024,
53.9143

■ 47.5598, 49.3370,
55.1607

■ 52.0323, 57.9245,
56.5825

■ 57.0519, 67.6036,
58.1862

■ 62.6370, 78.4113,
59.9779

Harmonies

Analogous

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



23.9753, 18.3761, 77.9603



31.0311, 18.3761, 50.0555



34.4726, 18.3761, 22.8769

Triad

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



31.0311, 18.3761, 50.0555



18.4407, 18.3761, 0.9655



7.9915, 18.3761, 41.8052

Complementary

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



31.0311, 18.3761, 50.0555



22.5097, 38.4832, 12.3733

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.



7.2403, 18.3761, 17.3904



31.0311, 18.3761, 50.0555



12.2563, 18.3761, 1.5515

Square

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



31.0311, 18.3761, 50.0555



26.0819, 18.3761, 2.1053



8.5735, 18.3761, 5.3063



10.9932, 18.3761, 71.3674

Rectangle

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



31.0311, 18.3761, 50.0555



33.7283, 18.3761, 11.2519



8.5735, 18.3761, 5.3063



7.5084, 18.3761, 32.4242

Sweetspot

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



31.0318, 18.3769, 50.0559



73.4715, 66.0511, 95.1030



14.7125, 10.7607, 49.4459



15.4416, 13.5265, 20.3396



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.



31.0318, 18.3769, 50.0559



52.6946, 27.9569, 88.8451



27.9134, 17.2979, 26.0273



9.8803, 9.6707, 12.0181



18.7566, 8.9555, 33.1329



0.7497, 0.3585, 1.2985

Inverse Universe

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



24.6793, 16.0043, 8.9968



40.6005, 23.4839, 8.6853



24.4271, 39.1959, 24.9196



9.5495, 9.5441, 10.0165



14.1646, 7.2970, 0.8947



0.5617, 0.2886, 0.0712

Previews

White Background



This preview shows how the XYZ color 31.0311, 18.3761, 50.0555 looks on a white background.

Color Contrast Check

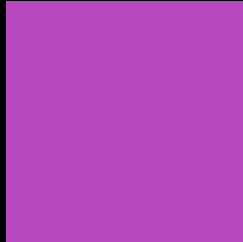
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0311, 18.3761, 50.0555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

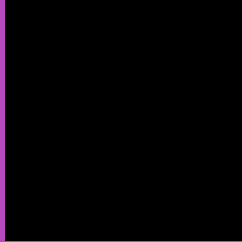
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0311, 18.3761, 50.0555

Background



This preview shows how black text looks on a background with the XYZ color 31.0311, 18.3761, 50.0555.



This preview shows how white text looks on a background with the XYZ color 31.0311, 18.3761,

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

31.0311, 18.3761, 50.0555

Protanopia

21.9965, 18.9608, 77.3634

Deuteranopia

19.1538, 18.7035, 46.3167



Tritanopia

24.0070, 18.4331, 15.3893

Trichromacy



Original Color

31.0311, 18.3761, 50.0555



Protanomaly

22.0784, 16.7300, 66.3555



Deuteranomaly

21.7153, 17.2485, 47.5322



Tritanomaly

25.9944, 18.0758, 25.0406

Monochromacy



Original Color

31.0311, 18.3761, 50.0555



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

20.9407, 17.2671, 28.6148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0311, 18.3761, 50.0555 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(183, 72, 189)` looks like.

```
.text, #text, p{  
    color:rgb(183, 72, 189)  
}
```

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(183, 72, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 72, 189) }
```

Border

The CSS property to change the border of an element to XYZ 31.0311, 18.3761, 50.0555 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(183, 72, 189) }
```


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

```
.border{ border-color:rgb(183, 72, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 72, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 72, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 72, 189);  
box-shadow:4px 4px 4px 4px rgb(183, 72,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0311, 18.3761, 50.0555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 72, 189) }
```

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

```
.background{ background-color: rgb(183, 72,  
189) }
```

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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