

Converting Colors

XYZ(18.3757, 16.0150, 48.9934)

Have a look what the booklet for
XYZ(18.3757, 16.0150, 48.9934)
contains.

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Color

**XYZ(18.4381, 16.1201,
49.1534)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6ABB
RGB	91, 106, 187
RGB Percent	36%, 42%, 73%
CMY	0.6431, 0.5843, 0.2667
CMYK	0.51, 0.43, 0.00, 0.27
HSL	231°, 41%, 55%
HSV	231°, 51%, 73%
XYZ	18.4381, 16.1201, 49.1534
YIQ	110.7490, -34.9410, 22.0110

Conversions

Conversions Part 2

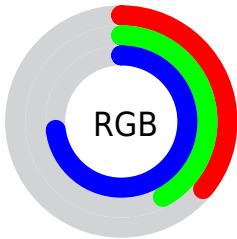
Format	Color
R _Y B	91, 104, 187
Decimal	5991099
CIE Lab	47.13, 17.32, -44.58
CIE LCh	47, 47.825, 291.237
Yxy	16.1201, 0.2203, 0.1926
Android (android.graphics.Color)	4284181179 (0xFF5B6ABB)
YUV	110.7490, 37.5917, -17.3199
Hunter-Lab	40.1498, 11.7107, -44.4808

Details

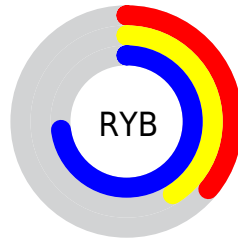
The XYZ color **18.4381, 16.1201, 49.1534** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **37.1355, 40.8268, 15.8217**, and the grayscale version is **14.9394, 15.7174, 17.1162**.

A 20% lighter version of the original color is **40.4187, 36.8486, 90.5702**, and **6.3627, 5.1127, 22.8418** is the 20% darker color. If you saturate the color by 10%, you get **15.3400, 12.3273, 48.5849**, and if you desaturate by 10%, it is **22.2960, 20.7491, 49.8439**.

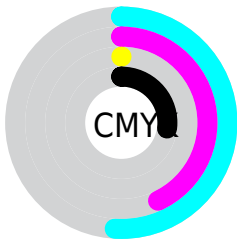
Distribution



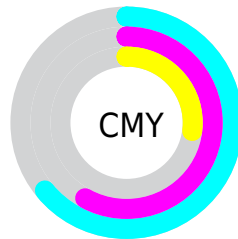
- Red (36%)
- Green (42%)
- Blue (73%)



- Red (36%)
- Yellow (41%)
- Blue (73%)



- Cyan (51%)
- Magenta (43%)
- Yellow (0%)
- Black (27%)



- Cyan (64%)
- Magenta (58%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4381, 16.1201, 49.1534 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 18.4381, 16.1201, 49.1534 by changing the saturation by 10% instead.

■ 18.4381, 16.1201,
49.1534

■ 18.4381, 16.1201,
49.1534

236.3271,
230.0494, 399.9857

■ 11.3666, 9.6092,
34.3747

■ 40.3067, 36.8066,
90.3026

■ 6.3831, 5.1406,
22.9019

■ 55.8345, 51.7509,
117.5102

■ 3.1222, 2.3300,
14.3165

■ 74.9117, 70.2752,
149.6978

■ 1.2187, 0.7895,
8.1999

■ 97.9037, 92.7638,
187.2841

■ 0.1211, 0.0000,
4.1335

125.1759,
119.6011, 230.6874

■ 0.0000, 0.0000,
1.6989

157.0936,

■ 0.0000, 0.0000,

151.1716, 280.3265

0.3600

194.0222,
187.8595, 336.6197

■ 0.0000, 0.0000,
0.0000

■ 18.4381, 16.1201,
49.1534

■ 18.4381, 16.1201,
49.1534

■ 15.3400, 12.3273,
48.5849

■ 22.2960, 20.7491,
49.8439

■ 12.9484, 9.3183,
48.1302

■ 26.9581, 26.2592,
50.6617

■ 11.2064, 7.0372,
47.7817

■ 32.4677, 32.6938,
51.6133

■ 10.0467, 5.4194,
47.5306

■ 38.8644, 40.0930,
52.7044

■ 9.4143, 4.4771,
47.3820

■ 46.1851, 48.4947,
53.9402

■ 54.4649, 57.9345,
55.3259

■ 63.7368, 68.4464,
56.8662

■ 74.0324, 80.0627,
58.5657

■ 83.7801, 91.9887,
60.3539

Harmonies

Analogous

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



14.1236, 16.1201, 51.7840



18.4381, 16.1201, 49.1534



22.5233, 16.1201, 36.3873

Triad

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



18.4381, 16.1201, 49.1534



20.9564, 16.1201, 4.9868



8.6442, 16.1201, 14.2581

Complementary

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



18.4381, 16.1201, 49.1534



37.1355, 40.8268, 15.8217

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.



9.8465, 16.1201, 6.6862



18.4381, 16.1201, 49.1534



16.5856, 16.1201, 3.1785

Square

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



18.4381, 16.1201, 49.1534



24.1522, 16.1201, 10.4347



12.5778, 16.1201, 3.6134



8.9581, 16.1201, 27.3370

Rectangle

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



18.4381, 16.1201, 49.1534



24.3141, 16.1201, 26.0949



12.5778, 16.1201, 3.6134



8.8749, 16.1201, 11.1126

Sweetspot

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



18.4388, 16.1206, 49.1538



64.9348, 66.4170, 93.5987



29.4361, 40.7056, 44.8342



13.7652, 14.0078, 20.5208



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.



18.4388, 16.1206, 49.1538



26.6738, 21.0841, 86.8652



20.8801, 15.2821, 48.8633



9.1337, 9.4596, 12.0167



6.5214, 3.1545, 32.6581



0.2940, 0.2006, 1.2921

Inverse Universe

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



26.8368, 19.0885, 15.9061



43.6602, 27.8351, 19.4482



33.1769, 43.2651, 16.5010



9.5893, 9.5600, 10.2263



14.2925, 7.3481, 1.5678



0.5793, 0.2956, 0.1638

Previews

White Background



This preview shows how the XYZ color 18.4381, 16.1201, 49.1534 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 18.4381, 16.1201, 49.1534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

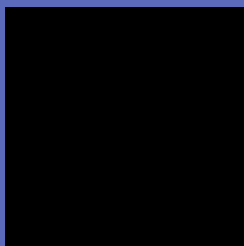
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4381, 16.1201, 49.1534

Background



This preview shows how black text looks on a background with the XYZ color 18.4381, 16.1201, 49.1534.

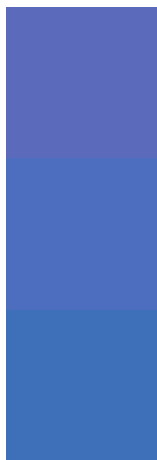


This preview shows how white text looks on a background with the XYZ color 18.4381, 16.1201,

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

18.4381, 16.1201, 49.1534

Protanopia

17.8235, 16.2328, 50.9090

Deuteranopia

16.6437, 16.1576, 48.6959



Tritanopia

13.2318, 16.1563, 23.1900

Trichromacy



Original Color

18.4381, 16.1201, 49.1534

Protanomaly

18.0275, 16.1931, 50.3195

Deuteranomaly

17.1865, 16.1135, 48.6588

Tritanomaly

14.7468, 15.8989, 31.1457

Monochromacy



Original Color

18.4381, 16.1201, 49.1534

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.8378, 15.7444, 26.6303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4381, 16.1201, 49.1534 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(91, 106, 187)` looks like.

```
.text, #text, p{  
    color:rgb(91, 106, 187)  
}
```

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(91, 106, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 106, 187) }
```

Border

The CSS property to change the border of an element to XYZ 18.4381, 16.1201, 49.1534 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(91, 106, 187) }
```


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

```
.border{ border-color:rgb(91, 106, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 106, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 106, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 106, 187);  
box-shadow:4px 4px 4px 4px rgb(91, 106,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4381, 16.1201, 49.1534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 106, 187) }
```

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

```
.background{ background-color: rgb(91, 106,  
187) }
```

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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