

Converting Colors

XYZ(18.3547, 9.7529, 7.8964)

Have a look what the booklet for
XYZ(18.3547, 9.7529, 7.8964)
contains.

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Color

**XYZ(18.4405, 9.8065,
7.9421)**

Conversions

Conversions Part 1

Format	Color
Hex	AB174D
RGB	171, 23, 77
RGB Percent	67%, 9%, 30%
CMY	0.3294, 0.9097, 0.6980
CMYK	0.00, 0.87, 0.55, 0.33
HSL	338°, 76%, 38%
HSV	338°, 87%, 67%
XYZ	18.4405, 9.8065, 7.9421
YIQ	73.4080, 70.8740, 48.1700

Conversions

Conversions Part 2

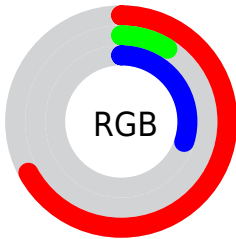
Format	Color
R_{YB}	171, 23, 77
Decimal	11212621
CIE _{Lab}	37.49, 58.88, 8.66
CIE _{LCh}	37, 59.517, 8.371
Yxy	9.8065, 0.5096, 0.2710
Android (android.graphics.Color)	4289402701 (0xFFAB174D)
YUV	73.4080, 1.7709, 85.5882
Hunter-Lab	31.3153, 50.3106, 6.8838

Details

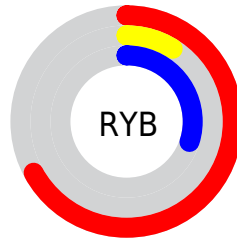
The XYZ color **18.4405, 9.8065, 7.9421** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **18.1282, 30.5927, 21.7835**, and the grayscale version is **6.3938, 6.7268, 7.3255**.

A 20% lighter version of the original color is **40.4528, 25.4786, 22.5244**, and **6.9708, 3.5602, 1.8332** is the 20% darker color. If you saturate the color by 10%, you get **17.8462, 9.1813, 6.0072**, and if you desaturate by 10%, it is **19.3129, 10.8855, 10.2858**.

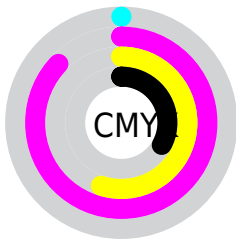
Distribution



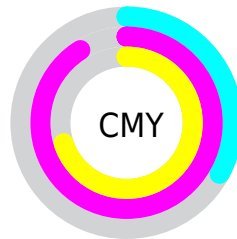
- Red (67%)
- Green (9%)
- Blue (30%)



- Red (67%)
- Yellow (9%)
- Blue (30%)



- Cyan (0%)
- Magenta (87%)
- Yellow (55%)
- Black (33%)




- Cyan (33%)
- Magenta (91%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4405, 9.8065, 7.9421 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 18.4405, 9.8065, 7.9421 by changing the saturation by 10% instead.


 18.4405, 9.8065,
7.9421


 18.4405, 9.8065,
7.9421


236.3402,
189.2854, 185.1948


 11.3683, 5.2708,
3.9707


 40.3107, 25.4309,
22.3892


 6.3842, 2.4070,
1.6093


 55.8395, 37.2885,
33.7019


 3.1230, 0.8295,
0.2974

 74.9178, 52.3554,
48.2988

 1.2191, 0.0000,
0.0000

 97.9110, 71.0162,
66.5984

 0.1214, 0.0000,
0.0000

 125.1845, 93.6552,
89.0192

 0.0000, 0.0000,
0.0000

 157.1036,

120.6568, 115.9799

194.0338,
152.4054, 147.8989

■ 18.4405, 9.8065,
7.9421

■ 18.4405, 9.8065,
7.9421

■ 17.8462, 9.1813,
6.0072

■ 19.3129, 10.8855,
10.2858

■ 17.6745, 9.0099,
5.4200

■ 20.5072, 12.5010,
13.0674

■ 22.0563, 14.7143,
16.3115

■ 23.9885, 17.5781,
20.0406

■ 26.3292, 21.1389,
24.2753

■ 29.1015, 25.4393,
29.0351

■ 32.3266, 30.5182,
34.3381

■ 36.0245, 36.4117,
40.2016

■ 40.2137, 43.1539,
46.6423

Harmonies

Analogous

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



17.7691, 9.8065, 20.2529



18.4405, 9.8065, 7.9421



16.2020, 9.8065, 2.2997

Triad

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



18.4405, 9.8065, 7.9421



5.5199, 9.8065, 1.2878



6.9054, 9.8065, 43.7253

Complementary

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



18.4405, 9.8065, 7.9421



18.1282, 30.5927, 21.7835

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.



4.7299, 9.8065, 29.3357



18.4405, 9.8065, 7.9421



4.0924, 9.8065, 4.7270

Square

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



18.4405, 9.8065, 7.9421



8.3090, 9.8065, 0.4027



3.8483, 9.8065, 13.9786



10.4116, 9.8065, 46.9638

Rectangle

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



18.4405, 9.8065, 7.9421



13.6414, 9.8065, 0.9765



3.8483, 9.8065, 13.9786



6.0249, 9.8065, 39.7205

Sweetspot

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



18.4407, 9.8071, 7.9422



52.1633, 45.6291, 52.0740



14.9584, 7.3175, 39.1519



11.2408, 9.5643, 10.9503



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.4407, 9.8071, 7.9422



31.5609, 16.0990, 9.2152



17.8040, 10.4291, 1.8860



8.1215, 8.0618, 8.9506



13.3475, 6.8015, 4.2093



0.3981, 0.1999, 0.2580

Inverse Universe

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



18.4407, 9.8071, 7.9422



31.5609, 16.0990, 9.2152



18.8142, 25.3423, 42.4278



8.1215, 8.0618, 8.9506



13.3475, 6.8015, 4.2093



0.3981, 0.1999, 0.2580

Previews

White Background



This preview shows how the XYZ color 18.4405, 9.8065, 7.9421 looks on a white background.

Color Contrast Check

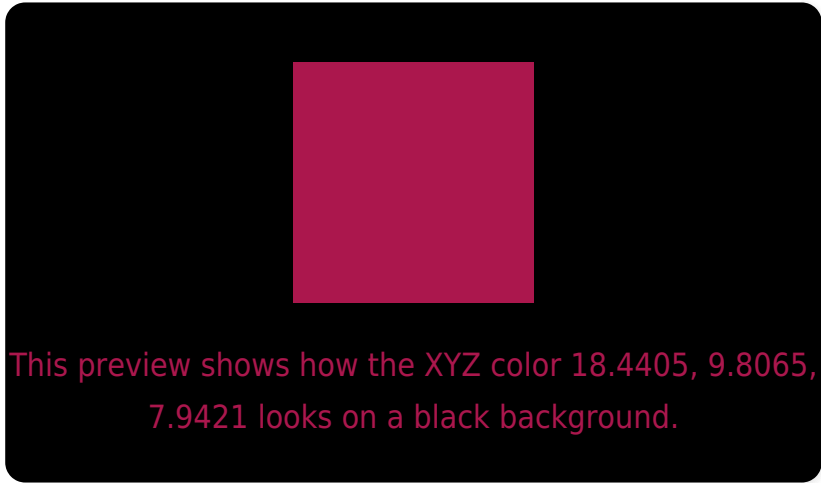
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.4405, 9.8065, 7.9421

Background



This preview shows how black text looks on a background with the XYZ color 18.4405, 9.8065, 7.9421.



This preview shows how white text looks on a background with the XYZ color 18.4405, 9.8065,

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

18.4405, 9.8065, 7.9421

Protanopia

10.1704, 10.2273, 15.9060

Deuteranopia

10.2590, 10.1010, 7.2033



Tritanopia

17.3270, 9.8303, 2.7345

Trichromacy



Original Color

18.4405, 9.8065, 7.9421

Protanomaly

11.3841, 8.4256, 12.3356

Deuteranomaly

12.0334, 8.7032, 7.3490

Tritanomaly

17.6874, 9.7740, 4.2031

Monochromacy



Original Color

18.4405, 9.8065, 7.9421

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.9089, 6.4780, 7.2594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4405, 9.8065, 7.9421 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(171, 23, 77)` looks like.

```
.text, #text, p{  
    color:rgb(171, 23, 77)  
}
```

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(171, 23, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 23, 77) }
```

Border

The CSS property to change the border of an element to XYZ 18.4405, 9.8065, 7.9421 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(171, 23, 77) }
```


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

```
.border{ border-color:rgb(171, 23, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 23, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 23, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 23, 77);  
box-shadow:4px 4px 4px 4px rgb(171, 23,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4405, 9.8065, 7.9421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 23, 77) }
```

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

```
.background{ background-color: rgb(171, 23,  
77) }
```

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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