

Converting Colors

XYZ(18.8021, 9.8710, 68.1397)

Have a look what the booklet for
XYZ(18.8021, 9.8710, 68.1397)
contains.

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Color

**XYZ(18.7084, 9.7979,
67.9230)**

Conversions

Conversions Part 1

Format	Color
Hex	6031DB
RGB	96, 49, 219
RGB Percent	38%, 19%, 86%
CMY	0.6235, 0.8079, 0.1412
CMYK	0.56, 0.78, 0.00, 0.14
HSL	257°, 70%, 53%
HSV	257°, 78%, 86%
XYZ	18.7084, 9.7979, 67.9230
YIQ	82.4330, -26.5580, 62.8340

Conversions

Conversions Part 2

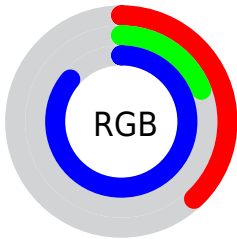
Format	Color
R_{YB}	96, 49, 219
Decimal	6304219
CIE _{Lab}	37.48, 60.34, -78.69
CIE _{LCh}	37, 99.163, 307.484
Yxy	9.7979, 0.1940, 0.1016
Android (android.graphics.Color)	4284494299 (0xFF6031DB)
YUV	82.4330, 67.3275, 11.8983
Hunter-Lab	31.3016, 51.9084, -106.7454

Details

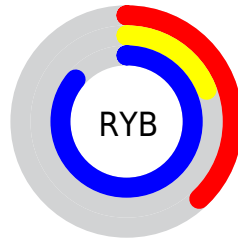
The XYZ color **18.7084, 9.7979, 67.9230** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **42.8975, 59.6548, 12.1591**, and the grayscale version is **7.9801, 8.3957, 9.1429**.

A 20% lighter version of the original color is **36.8042, 23.7965, 97.2611**, and **6.6985, 2.6895, 34.8164** is the 20% darker color. If you saturate the color by 10%, you get **16.5024, 7.6154, 67.6183**, and if you desaturate by 10%, it is **21.6961, 13.0430, 68.3922**.

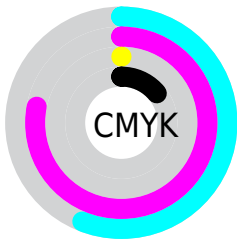
Distribution



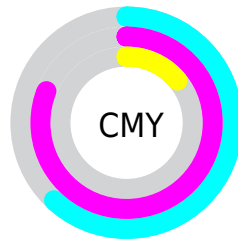
- Red (38%)
- Green (19%)
- Blue (86%)



- Red (38%)
- Yellow (19%)
- Blue (86%)



- Cyan (56%)
- Magenta (78%)
- Yellow (0%)
- Black (14%)




- Cyan (62%)
- Magenta (81%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7084, 9.7979, 67.9230 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 18.7084, 9.7979, 67.9230 by changing the saturation by 10% instead.


 18.7084, 9.7979,
67.9230


 18.7084, 9.7979,
67.9230


237.8033,
189.2235, 471.8138

 11.5625, 5.2652,
49.3688


 40.7615, 25.4147,
117.8952


 6.5166, 2.4037,
34.5445


 56.3994, 37.2675,
150.1502

 3.2053, 0.8278,
23.0314


 75.5987, 52.3292,
187.8092

 1.2632, 0.0000,
14.4112

 98.7247, 70.9840,
231.2909

 0.1554, 0.0000,
8.2652

 126.1428, 93.6165,
281.0136

 0.0000, 0.0000,
4.1749

 158.2184,

 0.0000, 0.0000,

120.6110, 337.3960

1.7218

195.3168,
152.3518, 400.8565

■ 0.0000, 0.0000,
0.3756

■ 0.0000, 0.0000,
0.0000

■ 18.7084, 9.7979,
67.9230

■ 18.7084, 9.7979,
67.9230

■ 16.5024, 7.6154,
67.6183

■ 21.6961, 13.0430,
68.3922

■ 14.9777, 6.3280,
67.4501

■ 25.5392, 17.4734,
69.0448

■ 14.6835, 6.0926,
67.4202

■ 30.3039, 23.1952,
69.8981

■ 36.0492, 30.3021,
70.9670

■ 42.8288, 38.8790,
72.2652

■ 50.6922, 49.0039,
73.8051

■ 59.6858, 60.7492,
75.5981

■ 69.8532, 74.1827,
77.6552

■ 81.2356, 89.3682,
79.9863

Harmonies

Analogous

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



10.9675, 9.7979, 94.1220



18.7084, 9.7979, 67.9230



25.4120, 9.7979, 30.0229

Triad

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



18.7084, 9.7979, 67.9230



14.7148, 9.7979, 0.0000



1.7563, 9.7979, 15.8092

Complementary

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



18.7084, 9.7979, 67.9230



42.8975, 59.6548, 12.1591

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.



2.0377, 9.7979, 2.1706



18.7084, 9.7979, 67.9230



7.8332, 9.7979, 0.0000

Square

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



18.7084, 9.7979, 67.9230



22.4759, 9.7979, 0.2986



3.7463, 9.7979, 0.0000



2.6607, 9.7979, 48.3149

Rectangle

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



18.7084, 9.7979, 67.9230



27.2195, 9.7979, 12.2515



3.7463, 9.7979, 0.0000



1.7266, 9.7979, 9.2276

Sweetspot

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



18.7090, 9.7981, 67.9233



65.1843, 60.9395, 102.9347



29.1245, 35.9108, 72.4146



13.1156, 11.9707, 21.8693



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.7090, 9.7981, 67.9233



21.8688, 9.5062, 95.2900



32.5520, 16.9344, 68.5711



12.6750, 12.7906, 16.4529



8.7981, 3.6597, 39.9811



0.6526, 0.2797, 2.5940

Inverse Universe

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



37.7574, 20.2349, 40.9415



50.6853, 25.3803, 50.6135



29.9738, 52.9923, 11.5543



13.4528, 13.2102, 15.6456



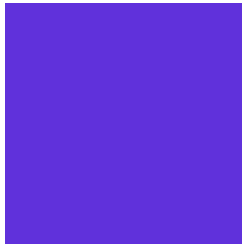
21.0528, 10.4222, 20.4559



1.3997, 0.6895, 1.5135

Previews

White Background



This preview shows how the XYZ color 18.7084, 9.7979, 67.9230 looks on a white background.

Color Contrast Check

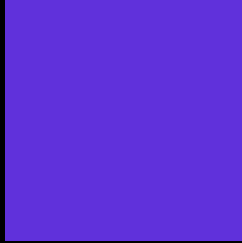
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 18.7084, 9.7979, 67.9230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

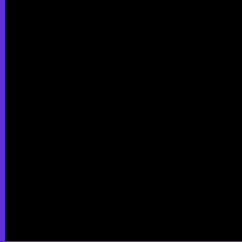
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7084, 9.7979, 67.9230

Background



This preview shows how black text looks on a background with the XYZ color 18.7084, 9.7979, 67.9230.



This preview shows how white text looks on a background with the XYZ color 18.7084, 9.7979,

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

18.7084, 9.7979, 67.9230

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.4909, 9.7821, 31.5249



Tritanopia

7.8692, 9.7216, 14.0321

Trichromacy



Original Color

18.7084, 9.7979, 67.9230

Protanomaly

12.7481, 8.8871, 52.0824

Deuteranomaly

11.2134, 8.7005, 42.6833

Tritanomaly

10.2895, 8.7583, 27.9363

Monochromacy



Original Color

18.7084, 9.7979, 67.9230

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.2855, 8.0725, 22.8458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7084, 9.7979, 67.9230 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(96, 49, 219) looks like.

```
.text, #text, p{  
    color:rgb(96, 49, 219)  
}
```

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(96, 49, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 49, 219) }
```

Border

The CSS property to change the border of an element to XYZ 18.7084, 9.7979, 67.9230 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(96, 49, 219) }
```


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

```
.border{ border-color:rgb(96, 49, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 49, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 49, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 49, 219);  
box-shadow:4px 4px 4px 4px rgb(96, 49,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7084, 9.7979, 67.9230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 49, 219) }
```

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

```
.background{ background-color: rgb(96, 49,  
219) }
```

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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