

Converting Colors

XYZ(18.3608, 8.4834, 50.5117)

Have a look what the booklet for
XYZ(18.3608, 8.4834, 50.5117)
contains.

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Color

**XYZ(18.3428, 8.4698,
50.5372)**

Conversions

Conversions Part 1

Format	Color
Hex	7F07C0
RGB	127, 7, 192
RGB Percent	50%, 3%, 75%
CMY	0.5020, 0.9725, 0.2471
CMYK	0.34, 0.96, 0.00, 0.25
HSL	279°, 93%, 39%
HSV	279°, 96%, 75%
XYZ	18.3428, 8.4698, 50.5372
YIQ	63.9700, 12.1350, 82.9750

Conversions

Conversions Part 2

Format	Color
RYB	127, 7, 192
Decimal	8325056
CIELab	34.94, 69.36, -67.02
CIELCh	35, 96.450, 315.985
Yxy	8.4698, 0.2371, 0.1095
Android (android.graphics.Color)	4286515136 (0xFF7F07C0)
YUV	63.9700, 63.1188, 55.2773
Hunter-Lab	29.1029, 61.5737, -82.5850

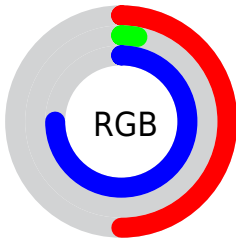
Details

The XYZ color **18.3428, 8.4698, 50.5372** is a dark color, and the websafe version is hex **9900CC**.

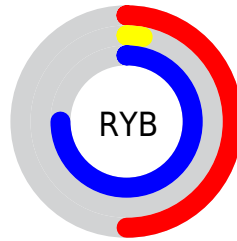
The color can be described as dark washed purple. A complement of this color would be **21.5607, 39.0925, 6.6104**, and the grayscale version is **4.7768, 5.0256, 5.4729**.

A 20% lighter version of the original color is **40.3010, 22.9332, 92.7449**, and **6.8993, 3.0351, 23.8891** is the 20% darker color. If you saturate the color by 10%, you get **17.9051, 8.1313, 50.4951**, and if you desaturate by 10%, it is **19.6799, 9.6014, 50.6853**.

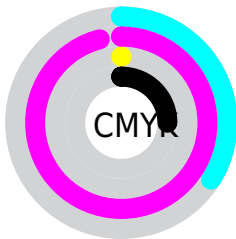
Distribution



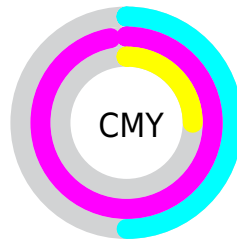
- Red (50%)
- Green (3%)
- Blue (75%)



- Red (50%)
- Yellow (3%)
- Blue (75%)



- Cyan (34%)
- Magenta (96%)
- Yellow (0%)
- Black (25%)



- Cyan (50%)
- Magenta (97%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3428, 8.4698, 50.5372 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 18.3428, 8.4698, 50.5372 by changing the saturation by 10% instead.

■ 18.3428, 8.4698,
50.5372

■ 18.3428, 8.4698,
50.5372

235.8046,
179.3718, 405.5581

■ 11.2976, 4.3970,
35.4663

■ 40.1461, 22.8744,
92.3748

■ 6.3361, 1.8980,
23.7358

■ 55.6349, 33.9750,
119.9785

■ 3.0931, 0.5472,
14.9274

■ 74.6689, 48.1870,
152.5969

■ 1.2032, 0.0000,
8.6224

■ 97.6134, 65.8948,
190.6486

■ 0.1089, 0.0000,
4.4023

■ 124.8339, 87.4828,
234.5520

■ 0.0000, 0.0000,
1.8485

■ 156.6957,

■ 0.0000, 0.0000,

113.3354, 284.7257

0.4597

193.5642,
143.8369, 341.5882

0.0000, 0.0000,
0.0000

18.3428, 8.4698,
50.5372

18.3428, 8.4698,
50.5372

17.9051, 8.1313,
50.4951

19.6799, 9.6014,
50.6853

21.3671, 11.3321,
50.9305

23.4579, 13.7664,
51.2901

25.9934, 16.9848,
51.7777

29.0092, 21.0565,
52.4047

■ 32.5366, 26.0428,
53.1812

■ 36.6046, 31.9995,
54.1166

■ 41.2393, 38.9777,
55.2192

■ 46.4653, 47.0248,
56.4970

Harmonies

Analogous

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



11.3392, 8.4698, 80.1099



18.3428, 8.4698, 50.5372



23.3521, 8.4698, 18.7102

Triad

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



18.3428, 8.4698, 50.5372



10.9024, 8.4698, 0.0000



1.5524, 8.4698, 20.3734

Complementary

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



18.3428, 8.4698, 50.5372



21.5607, 39.0925, 6.6104

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.



1.5211, 8.4698, 3.6477



18.3428, 8.4698, 50.5372



5.4681, 8.4698, 0.0000

Square

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



18.3428, 8.4698, 50.5372



17.9000, 8.4698, 0.0000



2.5775, 8.4698, 0.0000



2.7000, 8.4698, 52.8669

Rectangle

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



18.3428, 8.4698, 50.5372



23.8808, 8.4698, 6.4034



2.5775, 8.4698, 0.0000



1.4377, 8.4698, 12.7662

Sweetspot

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



18.3433, 8.4701, 50.5374



63.9229, 54.4272, 97.4967



12.1071, 8.8610, 50.9415



13.0360, 10.6851, 20.7606



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.3433, 8.4701, 50.5374



32.1600, 14.5876, 91.4810



28.8203, 14.1610, 37.9357



10.1427, 10.0647, 12.6929



12.1351, 5.5163, 33.9818



0.5966, 0.2756, 1.4716

Inverse Universe

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



22.9841, 11.8265, 7.2026



41.1417, 21.0068, 11.0758



19.1936, 37.8471, 7.6368



10.2161, 10.1350, 11.2284



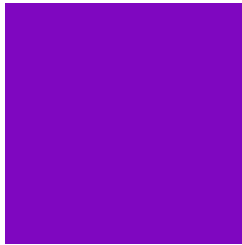
15.3522, 7.8306, 4.5008



0.6962, 0.3515, 0.3678

Previews

White Background



This preview shows how the XYZ color 18.3428, 8.4698, 50.5372 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

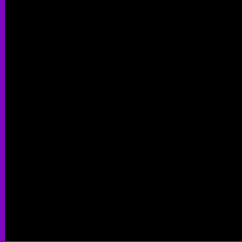
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3428, 8.4698, 50.5372

Background



This preview shows how black text looks on a background with the XYZ color 18.3428, 8.4698, 50.5372.



This preview shows how white text looks on a background with the XYZ color 18.3428, 8.4698,

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

18.3428, 8.4698, 50.5372

Protanopia

10.2931, 8.8251, 39.6890

Deuteranopia

8.5942, 8.7622, 28.8421



Tritanopia

10.0647, 8.7520, 8.9434

Trichromacy



Original Color

18.3428, 8.4698, 50.5372



Protanomaly

10.5826, 6.4738, 43.3396



Deuteranomaly

9.2007, 6.1514, 35.3527



Tritanomaly

11.5312, 7.2391, 18.8787

Monochromacy



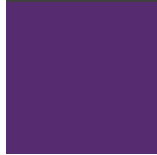
Original Color

18.3428, 8.4698, 50.5372



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.6636, 4.9017, 15.5811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3428, 8.4698, 50.5372 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(127, 7, 192)` looks like.

```
.text, #text, p{  
    color:rgb(127, 7, 192)  
}
```

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(127, 7, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 7, 192) }
```

Border

The CSS property to change the border of an element to XYZ 18.3428, 8.4698, 50.5372 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(127, 7, 192) }
```


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

```
.border{ border-color:rgb(127, 7, 192) }
```

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

Here you see how a box with a 4 pixel rgb(127, 7, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 7, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 7, 192);  
box-shadow:4px 4px 4px 4px rgb(127, 7,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3428, 8.4698, 50.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 7, 192) }
```

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

```
.background{ background-color: rgb(127, 7,  
192) }
```

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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