

Converting Colors

XYZ(18.5994, 8.4984, 50.0840)

Have a look what the booklet for
XYZ(18.5994, 8.4984, 50.0840)
contains.

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Color

**XYZ(18.6099, 8.5074,
49.9515)**

Conversions

Conversions Part 1

Format	Color
Hex	8200BF
RGB	130, 0, 191
RGB Percent	51%, 0%, 75%
CMY	0.4902, 1.0000, 0.2510
CMYK	0.32, 1.00, 0.00, 0.25
HSL	281°, 100%, 37%
HSV	281°, 100%, 75%
XYZ	18.6099, 8.5074, 49.9515
YIQ	60.6440, 16.1690, 86.9610

Conversions

Conversions Part 2

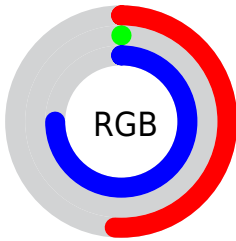
Format	Color
R_{YB}	130, 0, 191
Decimal	8519871
CIE _{Lab}	35.02, 70.43, -66.29
CIE _{LCh}	35, 96.721, 316.737
Yxy	8.5074, 0.2415, 0.1104
Android (android.graphics.Color)	4286709951 (0xFF8200BF)
YUV	60.6440, 64.2655, 60.8252
Hunter-Lab	29.1674, 62.8465, -81.1215

Details

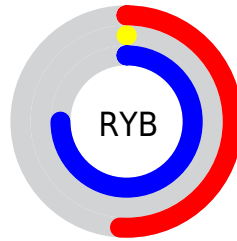
The XYZ color **18.6099, 8.5074, 49.9515** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **20.5553, 38.2538, 6.3004**, and the grayscale version is **4.2966, 4.5203, 4.9226**.

A 20% lighter version of the original color is **40.5834, 22.9039, 91.0888**, and **7.0425, 3.1172, 23.5230** is the 20% darker color. If you saturate the color by 10%, you get **18.6103, 8.5076, 49.9517**, and if you desaturate by 10%, it is **19.8086, 9.4736, 50.0750**.

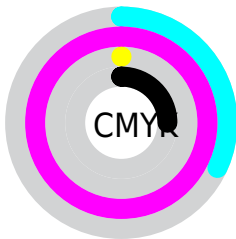
Distribution



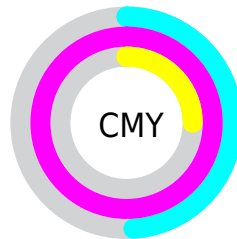
- Red (51%)
- Green (0%)
- Blue (75%)



- Red (51%)
- Yellow (0%)
- Blue (75%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6099, 8.5074, 49.9515 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 18.6099, 8.5074, 49.9515 by changing the saturation by 10% instead.

■ 18.6099, 8.5074,
49.9515

■ 18.6099, 8.5074,
49.9515

237.2663,
179.6594, 403.2059

■ 11.4911, 4.4213,
35.0040

■ 40.5959, 22.9473,
91.4986

■ 6.4679, 1.9119,
23.3823

■ 56.1937, 34.0699,
118.9352

■ 3.1750, 0.5555,
14.6681

■ 75.3486, 48.3068,
151.3719

■ 1.2469, 0.0000,
8.4428

■ 98.4259, 66.0424,
189.2273

■ 0.1430, 0.0000,
4.2877

■ 125.7910, 87.6610,
232.9198


■ 0.0000, 0.0000,
1.7845


■ 157.8092,


■ 0.0000, 0.0000,

113.5471, 282.8680


0.4177

 194.8458,
144.0851, 339.4906


 0.0000, 0.0000,
0.0000


 18.6099, 8.5074,
49.9515


 18.6099, 8.5074,
49.9515


 18.6103, 8.5076,
49.9517

 19.8086, 9.4736,
50.0750

 21.2937, 10.9294,
50.2777

 23.1496, 13.0419,
50.5877

 25.4193, 15.8955,
51.0188

 28.1393, 19.5621,
51.5832

■ 31.3417, 24.1045,
52.2912

■ 35.0555, 29.5796,
53.1523

■ 39.3073, 36.0392,
54.1750

■ 44.1215, 43.5312,
55.3673

Harmonies

Analogous

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



11.5642, 8.5074, 80.1538



18.6099, 8.5074, 49.9515



23.5511, 8.5074, 18.1909

Triad

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



18.6099, 8.5074, 49.9515



10.7892, 8.5074, 0.0000



1.5679, 8.5074, 21.1431

Complementary

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



18.6099, 8.5074, 49.9515



20.5553, 38.2538, 6.3004

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.



1.5125, 8.5074, 3.8724



18.6099, 8.5074, 49.9515



5.3862, 8.5074, 0.0000

Square

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



18.6099, 8.5074, 49.9515



17.8241, 8.5074, 0.0000



2.5392, 8.5074, 0.0000



2.7564, 8.5074, 54.0880

Rectangle

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



18.6099, 8.5074, 49.9515



23.9839, 8.5074, 6.1211



2.5392, 8.5074, 0.0000



1.4446, 8.5074, 13.3298

Sweetspot

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



18.6104, 8.5077, 49.9517



62.4466, 52.4715, 95.1159



11.2187, 7.3910, 50.1258



13.0682, 10.5646, 20.7357



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.



18.6104, 8.5077, 49.9517



33.0670, 15.1010, 89.4511



27.7585, 13.5855, 34.0362



9.6256, 9.5394, 12.0062



12.3171, 5.6358, 32.8315



0.5477, 0.2544, 1.2891

Inverse Universe

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



22.3282, 11.4134, 5.4409



39.8924, 20.4023, 9.2314



18.8894, 37.3652, 7.5714



9.6524, 9.5852, 10.5583



14.7066, 7.5138, 3.7486



0.6066, 0.3065, 0.3078

Previews

White Background



This preview shows how the XYZ color 18.6099, 8.5074, 49.9515 looks on a white background.

Color Contrast Check

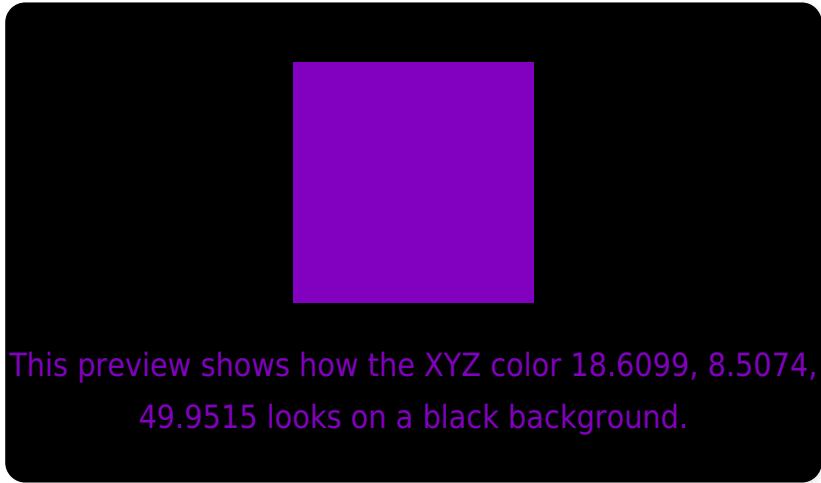
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6099, 8.5074, 49.9515

Background



This preview shows how black text looks on a background with the XYZ color 18.6099, 8.5074, 49.9515.



This preview shows how white text looks on a background with the XYZ color 18.6099, 8.5074,

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

18.6099, 8.5074, 49.9515

Protanopia

10.4637, 9.0131, 40.2179

Deuteranopia

8.8330, 8.9863, 29.7028



Tritanopia

10.3945, 8.9263, 8.7645

Trichromacy



Original Color

18.6099, 8.5074, 49.9515



Protanomaly

10.5370, 6.3150, 43.3114



Deuteranomaly

9.2393, 6.0171, 35.7964



Tritanomaly

11.7832, 7.2519, 18.5480

Monochromacy



Original Color

18.6099, 8.5074, 49.9515



Achromatopsia

4.4355, 4.6665, 5.0818



Achromatomaly

7.2700, 4.5122, 14.6751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6099, 8.5074, 49.9515 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(130, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 191)  
}
```

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(130, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.6099, 8.5074, 49.9515 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(130, 0, 191) }
```


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

```
.border{ border-color:rgb(130, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6099, 8.5074, 49.9515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 191) }
```

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

```
.background{ background-color: rgb(130, 0,  
191) }
```

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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