

Converting Colors

XYZ(18.8090, 8.6069, 50.1045)

Have a look what the booklet for
XYZ(18.8090, 8.6069, 50.1045)
contains.

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Color

**XYZ(18.7640, 8.5869,
49.9587)**

Conversions

Conversions Part 1

Format	Color
Hex	8300BF
RGB	131, 0, 191
RGB Percent	51%, 0%, 75%
CMY	0.4863, 1.0000, 0.2510
CMYK	0.31, 1.00, 0.00, 0.25
HSL	281°, 100%, 37%
HSV	281°, 100%, 75%
XYZ	18.7640, 8.5869, 49.9587
YIQ	60.9430, 16.7650, 87.1730

Conversions

Conversions Part 2

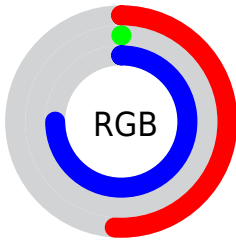
Format	Color
R_{YB}	131, 0, 191
Decimal	8585407
CIE _{Lab}	35.18, 70.55, -66.02
CIE _{LCh}	35, 96.624, 316.899
Yxy	8.5869, 0.2427, 0.1111
Android (android.graphics.Color)	4286775487 (0xFF8300BF)
YUV	60.9430, 64.1181, 61.4400
Hunter-Lab	29.3034, 63.0188, -80.5697

Details

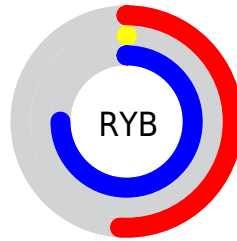
The XYZ color **18.7640, 8.5869, 49.9587** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **20.4946, 38.2225, 6.2977**, and the grayscale version is **4.3388, 4.5647, 4.9710**.

A 20% lighter version of the original color is **40.9029, 23.1732, 91.1240**, and **7.1164, 3.1553, 23.5265** is the 20% darker color. If you saturate the color by 10%, you get **18.7642, 8.5869, 49.9589**, and if you desaturate by 10%, it is **19.9556, 9.5495, 50.0819**.

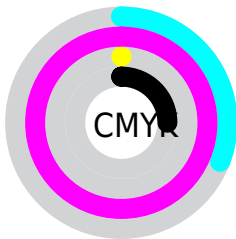
Distribution



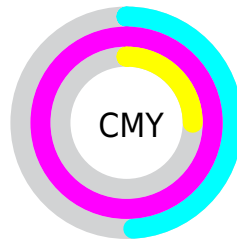
- Red (51%)
- Green (0%)
- Blue (75%)



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



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7640, 8.5869, 49.9587 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 18.7640, 8.5869, 49.9587 by changing the saturation by 10% instead.

18.7640, 8.5869,
49.9587

18.7640, 8.5869,
49.9587

238.1060,
180.2656, 403.2349

11.6029, 4.4727,
35.0096

40.8549, 23.1012,
91.5094

6.5441, 1.9414,
23.3867

56.5154, 34.2702,
118.9480

3.2225, 0.5731,
14.6713

75.7397, 48.5595,
151.3870

1.2725, 0.0000,
8.4450

98.8932, 66.3536,
189.2447

0.1625, 0.0000,
4.2891

126.3412, 88.0368,
232.9399


0.0000, 0.0000,
1.7853

158.4491,

0.0000, 0.0000,

113.9937, 282.8909


0.4182


 195.5822,
144.6084, 339.5164


 0.0000, 0.0000,
0.0000


 18.7640, 8.5869,
49.9587


 18.7640, 8.5869,
49.9587


 18.7642, 8.5869,
49.9589

 19.9556, 9.5495,
50.0819

 21.4318, 11.0008,
50.2842

 23.2771, 13.1079,
50.5937

 25.5344, 15.9553,
51.0243

 28.2402, 19.6146,
51.5880

■ 31.4266, 24.1489,
52.2953

■ 35.1225, 29.6149,
53.1555

■ 39.3543, 36.0643,
54.1773

■ 44.1466, 43.5452,
55.3687

Harmonies

Analogous

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



11.6930, 8.5869, 80.2886



18.7640, 8.5869, 49.9587



23.6978, 8.5869, 18.1834

Triad

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



18.7640, 8.5869, 49.9587



10.8421, 8.5869, 0.0000



1.5997, 8.5869, 21.4218

Complementary

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



18.7640, 8.5869, 49.9587



20.4946, 38.2225, 6.2977

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.



1.5384, 8.5869, 3.9725



18.7640, 8.5869, 49.9587



5.4241, 8.5869, 0.0000

Square

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



18.7640, 8.5869, 49.9587



17.9022, 8.5869, 0.0000



2.5682, 8.5869, 0.0000



2.8078, 8.5869, 54.4879

Rectangle

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



18.7640, 8.5869, 49.9587



24.1103, 8.5869, 6.1243



2.5682, 8.5869, 0.0000



1.4731, 8.5869, 13.5456

Sweetspot

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



18.7645, 8.5872, 49.9589



62.5667, 52.5334, 95.1215



11.0456, 7.0446, 50.0680



13.0977, 10.5798, 20.7371



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.



18.7645, 8.5872, 49.9589



33.3443, 15.2440, 89.4641



27.4854, 13.4763, 32.5982



9.6305, 9.5419, 12.0064



12.4176, 5.6876, 32.8362



0.5511, 0.2561, 1.2892

Inverse Universe

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



22.3017, 11.4028, 5.3009



39.8458, 20.3836, 8.9860



18.9346, 37.3833, 7.8095



9.6503, 9.5844, 10.5476



14.6887, 7.5067, 3.6546



0.6058, 0.3062, 0.3032

Previews

White Background



This preview shows how the XYZ color 18.7640, 8.5869, 49.9587 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

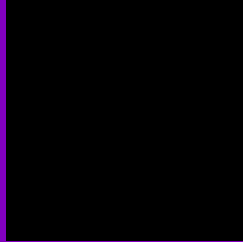
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7640, 8.5869, 49.9587

Background



This preview shows how black text looks on a background with the XYZ color 18.7640, 8.5869, 49.9587.



This preview shows how white text looks on a background with the XYZ color 18.7640, 8.5869, 49.9587.

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

18.7640, 8.5869, 49.9587

Protanopia

10.5601, 9.0517, 40.7257

Deuteranopia

8.9132, 9.0184, 30.1251



Tritanopia

10.6461, 9.0561, 8.7763

Trichromacy



Original Color

18.7640, 8.5869, 49.9587



Protanomaly

10.6851, 6.3796, 43.8482



Deuteranomaly

9.3766, 6.0774, 36.2762



Tritanomaly

12.0549, 7.3919, 18.5607

Monochromacy



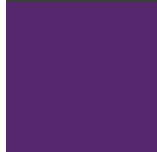
Original Color

18.7640, 8.5869, 49.9587



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 18.7640, 8.5869, 49.9587 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(131, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.7640, 8.5869, 49.9587 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(131, 0, 191) }
```


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

```
.border{ border-color:rgb(131, 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(131, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7640, 8.5869, 49.9587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 191) }
```

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

```
.background{ background-color: rgb(131, 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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