

Converting Colors

XYZ(18.7370, 8.8642, 36.7998)

Have a look what the booklet for
XYZ(18.7370, 8.8642, 36.7998)
contains.

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Color

**XYZ(18.7370, 8.8642,
36.7998)**

Conversions

Conversions Part 1

Format	Color
Hex	9200A6
RGB	146, 0, 166
RGB Percent	57%, 0%, 65%
CMY	0.4274, 1.0000, 0.3490
CMYK	0.12, 1.00, 0.00, 0.35
HSL	293°, 100%, 33%
HSV	293°, 100%, 65%
XYZ	18.7370, 8.8642, 36.7998
YIQ	62.5780, 33.7300, 82.5780

Conversions

Conversions Part 2

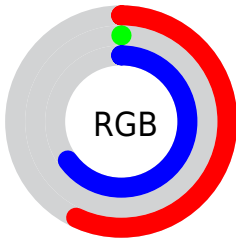
Format	Color
R_{YB}	146, 0, 166
Decimal	9568422
CIE _{Lab}	35.72, 68.06, -50.14
CIE _{LCh}	36, 84.535, 323.622
Yxy	8.8642, 0.2909, 0.1376
Android (android.graphics.Color)	4287758502 (0xFF9200A6)
YUV	62.5780, 50.9870, 73.1611
Hunter-Lab	29.7728, 60.2335, -52.4427

Details

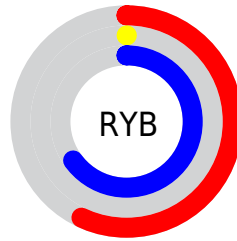
The XYZ color **18.7370, 8.8642, 36.7998** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.9251, 27.4214, 4.5593**, and the grayscale version is **4.5885, 4.8275, 5.2571**.

A 20% lighter version of the original color is **40.8826, 23.7033, 71.5277**, and **7.1971, 3.3659, 15.8931** is the 20% darker color. If you saturate the color by 10%, you get **18.7370, 8.8642, 36.7999**, and if you desaturate by 10%, it is **19.2905, 9.4382, 36.8816**.

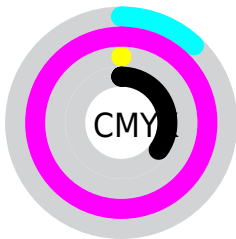
Distribution



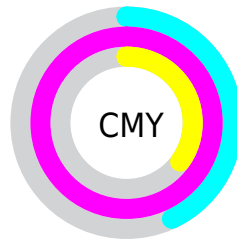
- Red (57%)
- Green (0%)
- Blue (65%)



- Red (57%)
- Yellow (0%)
- Blue (65%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)



- Cyan (43%)
- Magenta (100%)
- Yellow (35%)
- Black (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7370, 8.8642, 36.7998 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 18.7370, 8.8642, 36.7998 by changing the saturation by 10% instead.

18.7370, 8.8642,
36.7998

18.7370, 8.8642,
36.7998

237.9591,
182.3616, 347.5855

11.5833, 4.6527,
24.7580

40.8095, 23.6360,
71.4477

6.5308, 2.0450,
15.6794

56.4591, 34.9651,
94.8907

3.2141, 0.6334,
9.1457

75.6712, 49.4356,
122.9713

1.2680, 0.0000,
4.7382

98.8114, 67.4317,
156.1079

0.1591, 0.0000,
2.0385

126.2449, 89.3380,
194.7191

0.0000, 0.0000,
0.5788

158.3371,

0.0000, 0.0000,

115.5388, 239.2234

0.0000

195.4534,
146.4186, 290.0394

■ 18.7370, 8.8642,
36.7998

■ 18.7370, 8.8642,
36.7998

■ 18.7370, 8.8642,
36.7999

■ 19.2905, 9.4382,
36.8816

■ 20.0107, 10.3369,
37.0171

■ 20.9647, 11.6939,
37.2287

■ 22.1821, 13.5682,
37.5263

■ 23.6878, 16.0097,
37.9182

■ 25.5039, 19.0627,
38.4118

■ 27.6504, 22.7668,
39.0136

■ 30.1455, 27.1586,
39.7298

■ 33.0060, 32.2716,
40.5660

Harmonies

Analogous

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



12.8786, 8.8642, 62.9652



18.7370, 8.8642, 36.7998



21.9901, 8.8642, 13.0330

Triad

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



18.7370, 8.8642, 36.7998



9.5353, 8.8642, 0.0000



2.3415, 8.8642, 25.3570

Complementary

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



18.7370, 8.8642, 36.7998



13.9251, 27.4214, 4.5593

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.



2.0388, 8.8642, 6.9124



18.7370, 8.8642, 36.7998



5.1387, 8.8642, 0.0000

Square

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



18.7370, 8.8642, 36.7998



15.4838, 8.8642, 0.0000



2.8248, 8.8642, 0.8006



3.9233, 8.8642, 52.9084

Rectangle

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



18.7370, 8.8642, 36.7998



21.5938, 8.8642, 4.5229



2.8248, 8.8642, 0.8006



2.1216, 8.8642, 17.6669

Sweetspot

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



18.7374, 8.8646, 36.8000



49.9461, 40.9070, 70.7387



7.1728, 3.3326, 36.3417



10.8099, 8.5174, 15.7264



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.7374, 8.8646, 36.8000



33.8861, 16.0259, 66.7826



18.2830, 9.1301, 14.2005



7.7516, 7.6201, 9.4806



14.5556, 6.8871, 28.5377



0.3782, 0.1800, 0.6955

Inverse Universe

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



15.8524, 8.1578, 1.4015



28.7288, 14.7885, 2.3243



14.4754, 27.6082, 8.9632



7.5665, 7.5565, 8.0345



12.3024, 6.3297, 1.1379



0.3102, 0.1583, 0.0848

Previews

White Background



This preview shows how the XYZ color 18.7370, 8.8642, 36.7998 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

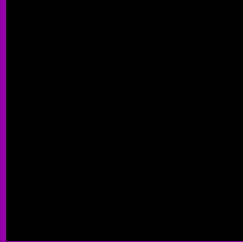
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7370, 8.8642, 36.7998

Background



This preview shows how black text looks on a background with the XYZ color 18.7370, 8.8642, 36.7998.



This preview shows how white text looks on a background with the XYZ color 18.7370, 8.8642, 36.7998.

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

18.7370, 8.8642, 36.7998

Deuteranopia

9.6285, 9.4509, 32.7692

Tritanopia

12.8273, 9.2911, 6.9116

Trichromacy



Original Color

18.7370, 8.8642, 36.7998

Deuteranomaly

9.6228, 6.3271, 33.9718

Tritanomaly

13.8240, 8.0091, 14.1819

Monochromacy



Original Color

18.7370, 8.8642, 36.7998

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.5732, 4.7648, 12.5771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7370, 8.8642, 36.7998 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(146, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 166)  
}
```

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(146, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.7370, 8.8642, 36.7998 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(146, 0, 166) }
```

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

```
.border{ border-color:rgb(146, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(146, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
166) }
```


Background

The CSS property to change the background color of an element to XYZ 18.7370, 8.8642, 36.7998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 166) }
```

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

```
.background{ background-color: rgb(146, 0,  
166) }
```

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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