

Converting Colors

XYZ(11.2278, 3.9504, 15.6660)

Have a look what the booklet for
XYZ(11.2278, 3.9504, 15.6660)
contains.

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Color

**XYZ(12.1866, 5.9381,
16.1266)**

Conversions

Conversions Part 1

Format	Color
Hex	820071
RGB	130, 0, 113
RGB Percent	51%, 0%, 44%
CMY	0.4902, 1.0000, 0.5569
CMYK	0.00, 1.00, 0.13, 0.49
HSL	308°, 100%, 25%
HSV	308°, 100%, 51%
XYZ	12.1866, 5.9381, 16.1266
YIQ	51.7520, 41.2070, 62.7030

Conversions

Conversions Part 2

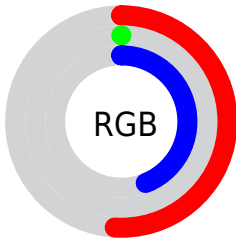
Format	Color
R_{YB}	130, 0, 113
Decimal	8519793
CIE _{Lab}	29.26, 57.06, -27.79
CIE _{LCh}	29, 63.466, 334.032
Yxy	5.9381, 0.3558, 0.1734
Android (android.graphics.Color)	4286709873 (0xFF820071)
YUV	51.7520, 30.1953, 68.6235
Hunter-Lab	24.3682, 46.6239, -22.1797

Details

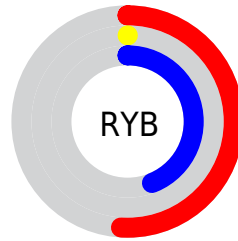
The XYZ color **12.1866, 5.9381, 16.1266** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.0842, 16.0061, 3.1942**, and the grayscale version is **3.1976, 3.3641, 3.6635**.

A 20% lighter version of the original color is **29.3586, 17.7904, 37.4838**, and **3.9059, 1.9067, 5.0126** is the 20% darker color. If you saturate the color by 10%, you get **12.1866, 5.9381, 16.1262**, and if you desaturate by 10%, it is **12.4274, 6.2650, 16.6836**.

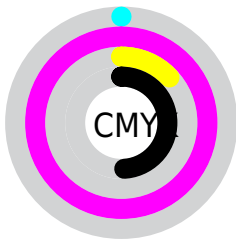
Distribution



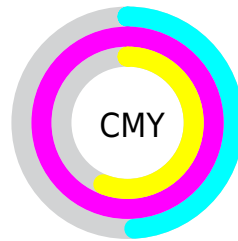
- Red (51%)
- Green (0%)
- Blue (44%)



- Red (51%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (49%)





- Cyan (49%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1866, 5.9381, 16.1266 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 12.1866, 5.9381, 16.1266 by changing the saturation by 10% instead.


 12.1866, 5.9381,
16.1266


 12.1866, 5.9381,
16.1266


199.3815,
158.5234, 241.9588


 6.9440, 2.8075,
9.4585


 29.4484, 17.8026,
37.5877


 3.4731, 1.0321,
4.9405

 42.1983, 27.3052,
53.2177

 1.4086, 0.0000,
2.1543

 58.1814, 39.7006,
72.6721

 0.2624, 0.0000,
0.6478


 77.7630, 55.3732,
96.3695


 0.0000, 0.0000,
0.0000


 101.3085, 74.7074,
124.7283


 129.1831, 98.0876,

158.1670


 161.7524,
125.8981, 197.1044


 12.1866, 5.9381,
16.1266


 12.1866, 5.9381,
16.1266


 12.1866, 5.9381,
16.1262

 12.4274, 6.2650,
16.6836

 12.7514, 6.7555,
17.2773

 13.2080, 7.5081,
17.9240

 13.8127, 8.5542,
18.6291

 14.5790, 9.9207,
19.3972

■ 15.5191, 11.6315,
20.2322

■ 16.6436, 13.7083,
21.1379

■ 17.9625, 16.1709,
22.1175

■ 19.4850, 19.0378,
23.1742

Harmonies

Analogous

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



9.3225, 5.9381, 30.3343



12.1866, 5.9381, 16.1266



13.1157, 5.9381, 5.4186

Triad

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



12.1866, 5.9381, 16.1266



5.2655, 5.9381, 0.0000



2.1989, 5.9381, 19.9244

Complementary

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



12.1866, 5.9381, 16.1266



8.0842, 16.0061, 3.1942

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.



1.7393, 5.9381, 7.6394



12.1866, 5.9381, 16.1266



3.0882, 5.9381, 0.0000

Square

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



12.1866, 5.9381, 16.1266



8.4162, 5.9381, 0.0000



1.9987, 5.9381, 1.7256



3.5591, 5.9381, 33.5503

Rectangle

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



12.1866, 5.9381, 16.1266



12.3186, 5.9381, 1.9338



1.9987, 5.9381, 1.7256



1.9596, 5.9381, 15.2538

Sweetspot

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



12.1868, 5.9384, 16.1267



29.1631, 23.8678, 37.1111



4.2293, 1.7150, 21.2275



6.4370, 5.0987, 8.2708



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1868, 5.9384, 16.1267



21.4232, 10.4421, 28.1984



9.7785, 4.9751, 3.4445



4.4747, 4.4030, 5.3044



11.6867, 5.6944, 15.4716



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1868, 5.9384, 16.1267



21.4232, 10.4421, 28.1984



9.4372, 16.5473, 10.3193



4.4747, 4.4030, 5.3044



11.6867, 5.6944, 15.4716



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1866, 5.9381, 16.1266 looks on a white background.

Color Contrast Check

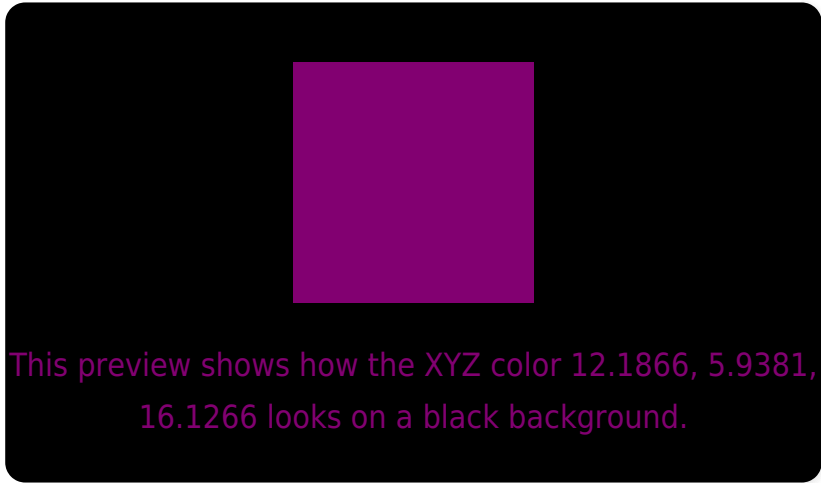
Large Text (above 18pt) WCAG AA ✓ Pass

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

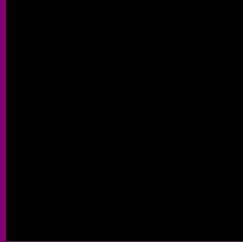
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1866, 5.9381, 16.1266

Background



This preview shows how black text looks on a background with the XYZ color 12.1866, 5.9381, 16.1266.



This preview shows how white text looks on a background with the XYZ color 12.1866, 5.9381, 16.1266.

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

12.1866, 5.9381, 16.1266

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.6638, 6.5749, 14.5535



Tritanopia

9.7260, 6.2917, 3.3911

Trichromacy



Original Color

12.1866, 5.9381, 16.1266

Protanomaly

6.4839, 4.2304, 23.3965

Deuteranomaly

7.3935, 4.9429, 15.0324

Tritanomaly

10.1568, 5.7211, 6.5302

Monochromacy



Original Color

12.1866, 5.9381, 16.1266

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.0882, 3.2876, 6.8450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1866, 5.9381, 16.1266 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, 113)` looks like.

```
.text, #text, p{  
  color:rgb(130, 0, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.1866, 5.9381, 16.1266 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, 113) }
```


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

```
.border{ border-color:rgb(130, 0, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1866, 5.9381, 16.1266 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, 113) }
```

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

```
.background{ background-color: rgb(130, 0,  
113) }
```

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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