

Converting Colors

XYZ(16.8728, 7.9058, 36.5929)

Have a look what the booklet for
XYZ(16.8728, 7.9058, 36.5929)
contains.

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Color

**XYZ(16.8746, 7.9041,
36.7126)**

Conversions

Conversions Part 1

Format	Color
Hex	8700A6
RGB	135, 0, 166
RGB Percent	53%, 0%, 65%
CMY	0.4706, 1.0000, 0.3490
CMYK	0.19, 1.00, 0.00, 0.35
HSL	289°, 100%, 33%
HSV	289°, 100%, 65%
XYZ	16.8746, 7.9041, 36.7126
YIQ	59.2890, 27.1740, 80.2460

Conversions

Conversions Part 2

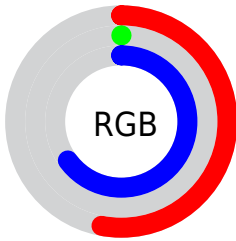
Format	Color
R_{YB}	135, 0, 166
Decimal	8847526
CIE _{Lab}	33.78, 66.44, -53.37
CIE _{LCh}	34, 85.221, 321.225
Yxy	7.9041, 0.2744, 0.1285
Android (android.graphics.Color)	4287037606 (0xFF8700A6)
YUV	59.2890, 52.6085, 66.3985
Hunter-Lab	28.1142, 57.9386, -57.7431

Details

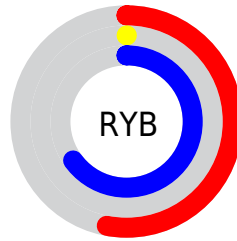
The XYZ color **16.8746, 7.9041, 36.7126** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.2016, 27.5640, 4.5721**, and the grayscale version is **4.1251, 4.3399, 4.7262**.

A 20% lighter version of the original color is **37.5075, 21.6493, 71.3091**, and **6.2051, 2.8545, 15.8467** is the 20% darker color. If you saturate the color by 10%, you get **16.8746, 7.9041, 36.7127**, and if you desaturate by 10%, it is **17.5755, 8.5540, 36.8012**.

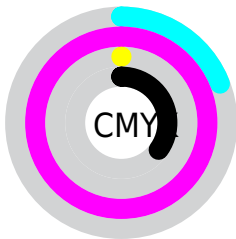
Distribution



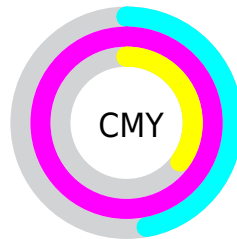
- Red (53%)
- Green (0%)
- Blue (65%)



- Red (53%)
- Yellow (0%)
- Blue (65%)



- Cyan (19%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)



- Cyan (47%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8746, 7.9041, 36.7126 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 16.8746, 7.9041, 36.7126 by changing the saturation by 10% instead.

■ 16.8746, 7.9041,
36.7126

■ 16.8746, 7.9041,
36.7126

■ 227.6191,
174.9779, 347.1957

■ 10.2399, 4.0336,
24.6910

■ 37.6554, 21.7702,
71.3119

■ 5.6218, 1.6924,
15.6301

■ 52.5321, 32.5347,
94.7267

■ 2.6549, 0.4187,
9.1113

■ 70.8869, 46.3659,
122.7764

■ 0.9740, 0.0000,
4.7160

■ 93.0851, 63.6484,
155.8793

■ 0.0000, 0.0000,
2.0258

■ 119.4921, 84.7664,
194.4542

■ 0.0000, 0.0000,
0.5711

■ 150.4731,

■ 0.0000, 0.0000,

110.1044, 238.9196

0.0000

186.3937,
140.0467, 289.6939

16.8746, 7.9041,
36.7126

16.8746, 7.9041,
36.7126

16.8746, 7.9041,
36.7127

17.5755, 8.5540,
36.8012

18.4515, 9.5330,
36.9440

19.5698, 10.9746,
37.1634

20.9600, 12.9379,
37.4690

22.6472, 15.4729,
37.8694

■ 24.6535, 18.6238,
38.3719

■ 26.9990, 22.4305,
38.9830

■ 29.7020, 26.9293,
39.7089

■ 32.7795, 32.1541,
40.5552

Harmonies

Analogous

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



11.2414, 7.9041, 61.4426



16.8746, 7.9041, 36.7126



20.2854, 7.9041, 13.1393

Triad

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



16.8746, 7.9041, 36.7126



8.9626, 7.9041, 0.0000



1.8766, 7.9041, 21.6226

Complementary

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



16.8746, 7.9041, 36.7126



14.2016, 27.5640, 4.5721

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.



1.6843, 7.9041, 5.2579



16.8746, 7.9041, 36.7126



4.7157, 7.9041, 0.0000

Square

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



16.8746, 7.9041, 36.7126



14.6282, 7.9041, 0.0000



2.4720, 7.9041, 0.3408



3.1856, 7.9041, 48.0532

Rectangle

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



16.8746, 7.9041, 36.7126



20.1568, 7.9041, 4.5184



2.4720, 7.9041, 0.3408



1.7089, 7.9041, 14.6229

Sweetspot

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



16.8750, 7.9044, 36.7128



48.7440, 40.2873, 70.6824



7.4327, 3.8525, 36.4283



10.5077, 8.3616, 15.7123



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.



16.8750, 7.9044, 36.7128



30.4580, 14.2586, 66.6222



18.8902, 9.3729, 17.3985



7.7025, 7.5948, 9.4783



13.1220, 6.1481, 28.4706



0.3538, 0.1674, 0.6943

Inverse Universe

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



15.9735, 8.2062, 2.0389



28.9322, 14.8699, 3.3956



14.2079, 27.5012, 7.5552



7.5862, 7.5644, 8.1383



12.3997, 6.3686, 1.6507



0.3176, 0.1613, 0.1238

Previews

White Background



This preview shows how the XYZ color 16.8746, 7.9041, 36.7126 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 16.8746, 7.9041, 36.7126

Background



This preview shows how black text looks on a background with the XYZ color 16.8746, 7.9041, 36.7126.



This preview shows how white text looks on a background with the XYZ color 16.8746, 7.9041,

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

16.8746, 7.9041, 36.7126

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.4368, 8.4472, 28.7896



Tritanopia

11.0218, 8.3604, 6.8271

Trichromacy



Original Color

16.8746, 7.9041, 36.7126

Protanomaly

9.3823, 5.7242, 37.1696

Deuteranomaly

8.3725, 5.5323, 31.1984

Tritanomaly

12.0951, 7.1178, 14.1010

Monochromacy



Original Color

16.8746, 7.9041, 36.7126

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.8282, 4.2943, 12.0243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8746, 7.9041, 36.7126 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(135, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 16.8746, 7.9041, 36.7126 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(135, 0, 166) }
```


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

```
.border{ border-color:rgb(135, 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(135, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8746, 7.9041, 36.7126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 166) }
```

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

```
.background{ background-color: rgb(135, 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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