

Converting Colors

XYZ(16.0603, 7.1902, 49.9787)

Have a look what the booklet for
XYZ(16.0603, 7.1902, 49.9787)
contains.

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Color

**XYZ(16.0861, 7.2063,
49.8333)**

Conversions

Conversions Part 1

Format	Color
Hex	7000BF
RGB	112, 0, 191
RGB Percent	44%, 0%, 75%
CMY	0.5608, 1.0000, 0.2510
CMYK	0.41, 1.00, 0.00, 0.25
HSL	275°, 100%, 37%
HSV	275°, 100%, 75%
XYZ	16.0861, 7.2063, 49.8333
YIQ	55.2620, 5.4410, 83.1450

Conversions

Conversions Part 2

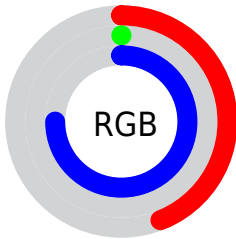
Format	Color
R_{YB}	112, 0, 191
Decimal	7340223
CIE _{Lab}	32.27, 68.50, -70.90
CIE _{LCh}	32, 98.588, 314.014
Yxy	7.2063, 0.2200, 0.0985
Android (android.graphics.Color)	4285530303 (0xFF7000BF)
YUV	55.2620, 66.9188, 49.7592
Hunter-Lab	26.8446, 59.9848, -91.2727

Details

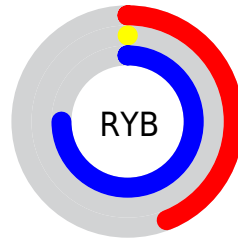
The XYZ color **16.0861, 7.2063, 49.8333** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **21.8550, 38.9238, 6.3612**, and the grayscale version is **3.5824, 3.7690, 4.1044**.

A 20% lighter version of the original color is **36.3422, 20.3950, 91.6437**, and **5.7593, 2.4557, 23.4630** is the 20% darker color. If you saturate the color by 10%, you get **16.0866, 7.2066, 49.8335**, and if you desaturate by 10%, it is **17.3709, 8.2169, 49.9608**.

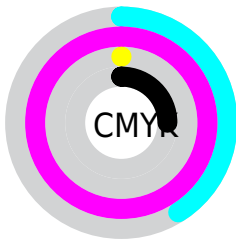
Distribution



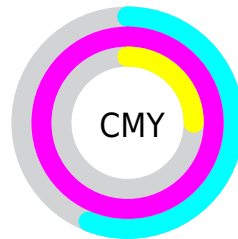
- Red (44%)
- Green (0%)
- Blue (75%)



- Red (44%)
- Yellow (0%)
- Blue (75%)



- Cyan (41%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (56%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0861, 7.2063, 49.8333 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 16.0861, 7.2063, 49.8333 by changing the saturation by 10% instead.


 16.0861, 7.2063,
49.8333


 16.0861, 7.2063,
49.8333


223.1097,
169.3670, 402.7301


 9.6763, 3.5915,
34.9107


 36.3039, 20.3870,
91.3216


 5.2455, 1.4478,
23.3111


 50.8426, 30.7217,
118.7244

 2.4282, 0.2515,
14.6159


 68.8216, 44.0651,
151.1243

 0.8592, 0.0000,
8.4067

 90.6064, 60.8017,
188.9399

 0.0000, 0.0000,
4.2648

 116.5622, 81.3158,
232.5898

 0.0000, 0.0000,
1.7717

 147.0545,


 0.0000, 0.0000,

105.9917, 282.4924

0.4092

 182.4485,
135.2140, 339.0663


 0.0000, 0.0000,
0.0000


 16.0861, 7.2063,
49.8333


 16.0861, 7.2063,
49.8333

 16.0866, 7.2066,
49.8335

 17.3709, 8.2169,
49.9608

 18.9761, 9.7346,
50.1692

 20.9872, 11.9270,
50.4864

 23.4484, 14.8794,
50.9265

 26.3973, 18.6639,
51.5016

■ 29.8671, 23.3441,
52.2221

■ 33.8878, 28.9774,
53.0975

■ 38.4869, 35.6160,
54.1364

■ 43.6899, 43.3083,
55.3470

Harmonies

Analogous

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



9.4880, 7.2063, 77.9044



16.0861, 7.2063, 49.8333



21.1197, 7.2063, 18.3030

Triad

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



16.0861, 7.2063, 49.8333



9.8958, 7.2063, 0.0000



1.0802, 7.2063, 16.7210

Complementary

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



16.0861, 7.2063, 49.8333



21.8550, 38.9238, 6.3612

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.



1.1057, 7.2063, 2.4000



16.0861, 7.2063, 49.8333



4.7518, 7.2063, 0.0000

Square

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



16.0861, 7.2063, 49.8333



16.5082, 7.2063, 0.0000



2.0672, 7.2063, 0.0000



1.9624, 7.2063, 47.5429

Rectangle

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



16.0861, 7.2063, 49.8333



21.8755, 7.2063, 6.0518



2.0672, 7.2063, 0.0000



1.0044, 7.2063, 9.9648

Sweetspot

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



16.0866, 7.2066, 49.8335



60.3281, 51.3794, 95.0167



12.2423, 9.4381, 50.4669



12.5498, 10.2974, 20.7114



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.



16.0866, 7.2066, 49.8335



28.5281, 12.7611, 89.2387



29.2320, 14.1748, 41.7958



9.5381, 9.4943, 12.0021



10.6652, 4.7842, 32.7542



0.4905, 0.2249, 1.2864

Inverse Universe

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



22.8971, 11.6409, 8.4365



40.8946, 20.8032, 14.5090



18.7238, 37.2989, 6.6995



9.6894, 9.6001, 10.7533



15.0857, 7.6654, 5.7448



0.6235, 0.3133, 0.3968

Previews

White Background



This preview shows how the XYZ color 16.0861, 7.2063, 49.8333 looks on a white background.

Color Contrast Check

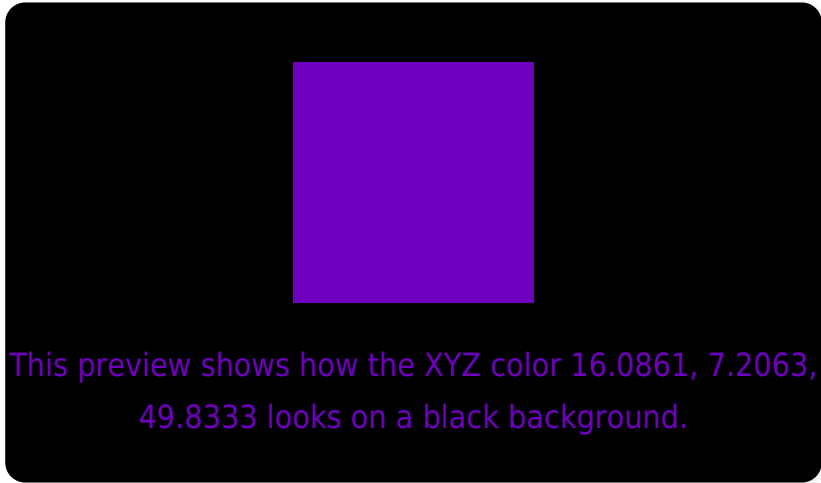
Large Text (above 18pt) WCAG AA ✓ Pass

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

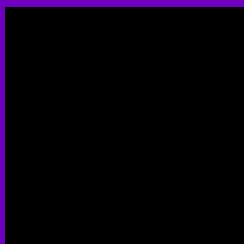
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0861, 7.2063, 49.8333

Background



This preview shows how black text looks on a background with the XYZ color 16.0861, 7.2063, 49.8333.



This preview shows how white text looks on a background with the XYZ color 16.0861, 7.2063,

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

16.0861, 7.2063, 49.8333

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.4578, 7.6910, 24.7584



Tritanopia

7.9885, 7.6860, 8.6519

Trichromacy



Original Color

16.0861, 7.2063, 49.8333

Protanomaly

9.3221, 5.5256, 39.1033

Deuteranomaly

8.2282, 5.3617, 32.4995

Tritanomaly

9.3769, 6.0114, 18.4354

Monochromacy



Original Color

16.0861, 7.2063, 49.8333

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.0802, 3.7380, 13.4978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0861, 7.2063, 49.8333 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(112, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 16.0861, 7.2063, 49.8333 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(112, 0, 191) }
```


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

```
.border{ border-color:rgb(112, 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(112, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0861, 7.2063, 49.8333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 191) }
```

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

```
.background{ background-color: rgb(112, 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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