

Converting Colors

XYZ(15.2799, 6.7875, 49.9394)

Have a look what the booklet for
XYZ(15.2799, 6.7875, 49.9394)
contains.

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Color

**XYZ(15.2297, 6.7648,
49.7933)**

Conversions

Conversions Part 1	
Format	Color
Hex	6900BF
RGB	105, 0, 191
RGB Percent	41%, 0%, 75%
CMY	0.5882, 1.0000, 0.2510
CMYK	0.45, 1.00, 0.00, 0.25
HSL	273°, 100%, 37%
HSV	273°, 100%, 75%
XYZ	15.2297, 6.7648, 49.7933
YIQ	53.1690, 1.2690, 81.6610

Conversions

Conversions Part 2

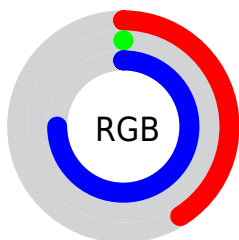
Format	Color
RYB	105, 0, 191
Decimal	6881471
CIELab	31.27, 67.84, -72.60
CIELCh	31, 99.362, 313.062
Yxy	6.7648, 0.2121, 0.0942
Android (android.graphics.Color)	4285071551 (0xFF6900BF)
YUV	53.1690, 67.9507, 45.4558
Hunter-Lab	26.0092, 59.0045, -95.3011

Details

The XYZ color **15.2297, 6.7648, 49.7933** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **22.4683, 39.2400, 6.3899**, and the grayscale version is **3.3250, 3.4982, 3.8095**.

A 20% lighter version of the original color is **34.7913, 19.4972, 91.5522**, and **5.3190, 2.2287, 23.4424** is the 20% darker color. If you saturate the color by 10%, you get **15.2302, 6.7651, 49.7935**, and if you desaturate by 10%, it is **16.5266, 7.7816, 49.9214**.

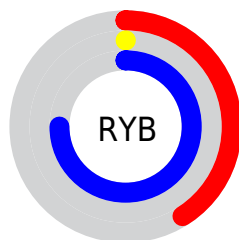
Distribution



Red (41%)

Green (0%)

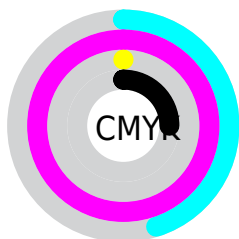
Blue (75%)



Red (41%)

Yellow (0%)

Blue (75%)

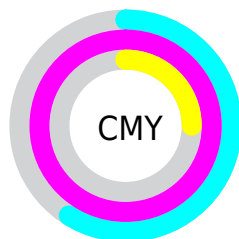


Cyan (45%)

Magenta (100%)

Yellow (0%)

Black (25%)



Cyan (59%)


Magenta (100%)

Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2297, 6.7648, 49.7933 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 15.2297, 6.7648, 49.7933 by changing the saturation by 10% instead.


 15.2297, 6.7648,
49.7933


 15.2297, 6.7648,
49.7933


 218.1133,
165.6948, 402.5690

 9.0681, 3.3154,
34.8792


 34.8240, 19.4985,
91.2617


 4.8431, 1.2986,
23.2870


 48.9874, 29.5516,
118.6530


 2.1893, 0.1401,
14.5983


 66.5488, 42.5747,
151.0405

 0.7371, 0.0000,
8.3945

 87.8736, 58.9523,
188.8427

 0.0000, 0.0000,
4.2570

 113.3271, 79.0687,
232.4780


 0.0000, 0.0000,
1.7674


 143.2746,

 0.0000, 0.0000,

103.3083, 282.3652


0.4063

 178.0816,
132.0556, 338.9227

 0.0000, 0.0000,
0.0000


 15.2297, 6.7648,
49.7933


 15.2297, 6.7648,
49.7933


 15.2302, 6.7651,
49.7935

 16.5266, 7.7816,
49.9214

 18.1584, 9.3131,
50.1310

 20.2116, 11.5272,
50.4501

 22.7310, 14.5095,
50.8930

 25.7546, 18.3326,
51.4716

■ 29.3163, 23.0602,
52.1964

■ 33.4468, 28.7500,
53.0769

■ 38.1739, 35.4546,
54.1219

■ 43.5238, 43.2227,
55.3393

Harmonies

Analogous

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



8.7989, 6.7648, 77.1261



15.2297, 6.7648, 49.7933



20.2811, 6.7648, 18.3335

Triad

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



15.2297, 6.7648, 49.7933



9.5784, 6.7648, 0.0000



0.9299, 6.7648, 15.2872

Complementary

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



15.2297, 6.7648, 49.7933



22.4683, 39.2400, 6.3899

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.



0.9760, 6.7648, 1.9745



15.2297, 6.7648, 49.7933



4.5293, 6.7648, 0.0000

Square

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



15.2297, 6.7648, 49.7933



16.0432, 6.7648, 0.0000



1.9079, 6.7648, 0.0000



1.7147, 6.7648, 45.3274

Rectangle

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



15.2297, 6.7648, 49.7933



21.1418, 6.7648, 6.0182



1.9079, 6.7648, 0.0000



0.8680, 6.7648, 8.9008

Sweetspot

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



15.2302, 6.7651, 49.7935



59.5280, 50.9669, 94.9793



12.9875, 10.9286, 50.7154



12.3550, 10.1970, 20.7023



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.



15.2302, 6.7651, 49.7935



26.9932, 11.9699, 89.1668



30.2043, 14.5637, 46.9156



9.5043, 9.4769, 12.0005



10.1029, 4.4943, 32.7279



0.4701, 0.2144, 1.2855

Inverse Universe

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



23.1655, 11.7482, 9.8499



41.3708, 20.9936, 17.0167



18.6658, 37.2757, 6.3940



9.7039, 9.6059, 10.8298



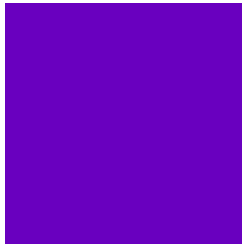
15.2634, 7.7365, 6.6809



0.6309, 0.3162, 0.4354

Previews

White Background



This preview shows how the XYZ color 15.2297, 6.7648, 49.7933 looks on a white background.

Color Contrast Check

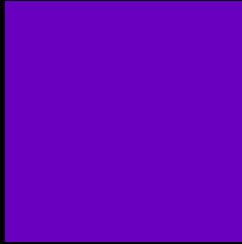
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 15.2297, 6.7648, 49.7933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

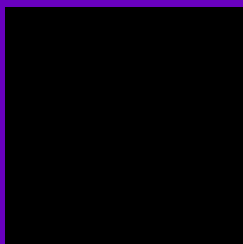
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2297, 6.7648, 49.7933

Background



This preview shows how black text looks on a background with the XYZ color 15.2297, 6.7648, 49.7933.



This preview shows how white text looks on a background with the XYZ color 15.2297, 6.7648,

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

15.2297, 6.7648, 49.7933

Protanopia

8.2153, 7.0982, 31.5089

Deuteranopia

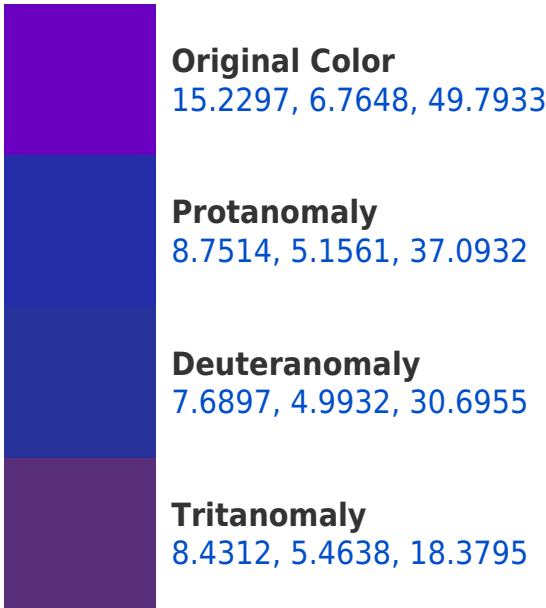
6.8892, 7.1147, 22.8400



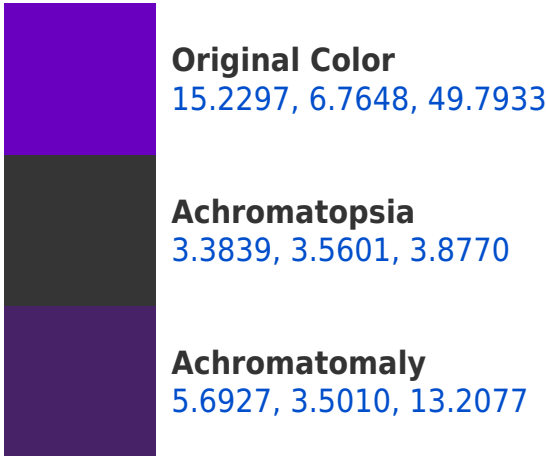
Tritanopia

7.0386, 7.0964, 8.5882

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2297, 6.7648, 49.7933 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(105, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(105, 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(105, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 15.2297, 6.7648, 49.7933 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(105, 0, 191) }
```


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

```
.border{ border-color:rgb(105, 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(105, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(105, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2297, 6.7648, 49.7933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 0, 191) }
```

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

```
.background{ background-color: rgb(105, 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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