

Converting Colors

XYZ(15.0148, 6.7763, 44.2596)

Have a look what the booklet for
XYZ(15.0148, 6.7763, 44.2596)
contains.

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Color

**XYZ(15.0226, 6.7809,
44.2331)**

Conversions

Conversions Part 1

Format	Color
Hex	7000B5
RGB	112, 0, 181
RGB Percent	44%, 0%, 71%
CMY	0.5608, 1.0000, 0.2902
CMYK	0.38, 1.00, 0.00, 0.29
HSL	277°, 100%, 35%
HSV	277°, 100%, 71%
XYZ	15.0226, 6.7809, 44.2331
YIQ	54.1220, 8.6510, 80.0350

Conversions

Conversions Part 2

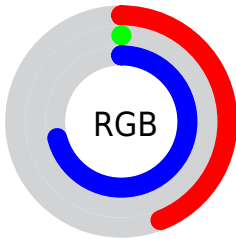
Format	Color
R_{YB}	112, 0, 181
Decimal	7340213
CIE _{Lab}	31.30, 66.45, -66.57
CIE _{LCh}	31, 94.054, 314.947
Yxy	6.7809, 0.2275, 0.1027
Android (android.graphics.Color)	4285530293 (0xFF7000B5)
YUV	54.1220, 62.5509, 50.7590
Hunter-Lab	26.0402, 57.4066, -82.4848

Details

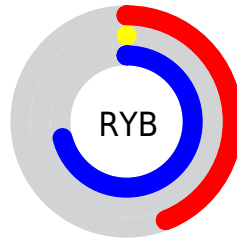
The XYZ color **15.0226, 6.7809, 44.2331** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **18.9779, 34.3129, 5.6228**, and the grayscale version is **3.4462, 3.6256, 3.9483**.

A 20% lighter version of the original color is **34.3927, 19.4842, 82.8370**, and **5.2469, 2.2624, 20.2388** is the 20% darker color. If you saturate the color by 10%, you get **15.0231, 6.7812, 44.2333**, and if you desaturate by 10%, it is **16.1529, 7.6872, 44.3486**.

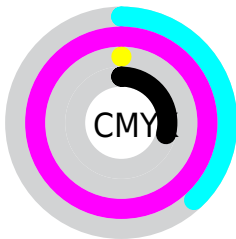
Distribution



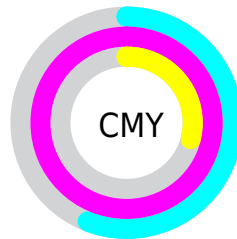
- Red (44%)
- Green (0%)
- Blue (71%)



- Red (44%)
- Yellow (0%)
- Blue (71%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)





- Cyan (56%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0226, 6.7809, 44.2331 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 15.0226, 6.7809, 44.2331 by changing the saturation by 10% instead.


 15.0226, 6.7809,
44.2331


 15.0226, 6.7809,
44.2331


216.8886,
165.8305, 379.7278

 8.9217, 3.3255,
30.5153


 34.4642, 19.5311,
82.8746


 4.7468, 1.3039,
19.9747


 48.5355, 29.5946,
108.6353


 2.1327, 0.1442,
12.1927


 65.9943, 42.6296,
139.2475

 0.7069, 0.0000,
6.7509

 87.2060, 59.0204,
175.1295

 0.0000, 0.0000,
3.2308

 112.5360, 79.1516,
216.7000


 0.0000, 0.0000,
1.2136


 142.3495,


 0.0000, 0.0000,


103.4074, 264.3776

0.0000

 177.0119,
132.1722, 318.5806


 15.0226, 6.7809,
44.2331


 15.0226, 6.7809,
44.2331


 15.0231, 6.7812,
44.2333

 16.1529, 7.6872,
44.3486

 17.5526, 9.0307,
44.5342

 19.2997, 10.9649,
44.8154

 21.4321, 13.5638,
45.2047

 23.9825, 16.8903,
45.7123

■ 26.9794, 20.9998,
46.3476

■ 30.4487, 25.9423,
47.1187

■ 34.4142, 31.7634,
48.0333

■ 38.8980, 38.5054,
49.0983

Harmonies

Analogous

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



9.0302, 6.7809, 69.7746



15.0226, 6.7809, 44.2331



19.4649, 6.7809, 16.2024

Triad

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



15.0226, 6.7809, 44.2331



9.0500, 6.7809, 0.0000



1.0977, 6.7809, 16.1261

Complementary

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



15.0226, 6.7809, 44.2331



18.9779, 34.3129, 5.6228

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.



1.0990, 6.7809, 2.5379



15.0226, 6.7809, 44.2331



4.4073, 6.7809, 0.0000

Square

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



15.0226, 6.7809, 44.2331



15.0429, 6.7809, 0.0000



1.9744, 6.7809, 0.0000



1.9691, 6.7809, 44.1239

Rectangle

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



15.0226, 6.7809, 44.2331



20.0405, 6.7809, 5.3921



1.9744, 6.7809, 0.0000



1.0172, 6.7809, 9.8126

Sweetspot

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



15.0231, 6.7812, 44.2333



54.2007, 45.9816, 84.3133



10.4923, 7.6398, 44.6378



11.1391, 9.1118, 18.0939



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



15.0231, 6.7812, 44.2333



26.6449, 12.0104, 79.2085



25.3911, 12.3578, 34.2514



8.5300, 8.4817, 10.6939



10.4356, 4.7155, 30.4972



0.3909, 0.1806, 0.9625

Inverse Universe

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



20.1302, 10.2534, 6.5478



35.9503, 18.3227, 11.1877



16.6604, 33.1024, 6.2265



8.6259, 8.5571, 9.5286



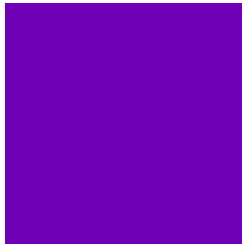
13.9088, 7.0811, 4.6799



0.4666, 0.2344, 0.2998

Previews

White Background



This preview shows how the XYZ color 15.0226, 6.7809, 44.2331 looks on a white background.

Color Contrast Check

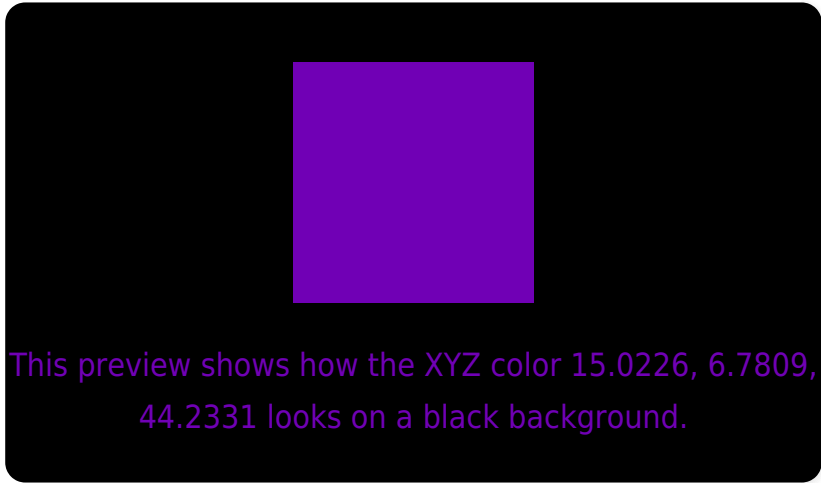
Large Text (above 18pt) WCAG AA ✓ Pass

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

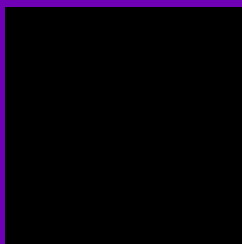
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0226, 6.7809, 44.2331

Background



This preview shows how black text looks on a background with the XYZ color 15.0226, 6.7809, 44.2331.



This preview shows how white text looks on a background with the XYZ color 15.0226, 6.7809,

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

15.0226, 6.7809, 44.2331

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.9580, 7.1422, 23.2022



Tritanopia

7.8721, 7.2524, 7.8224

Trichromacy



Original Color

15.0226, 6.7809, 44.2331

Protanomaly

8.6318, 5.1848, 35.6678

Deuteranomaly

7.5601, 4.9546, 29.4120

Tritanomaly

9.1212, 5.7443, 16.5476

Monochromacy



Original Color

15.0226, 6.7809, 44.2331

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.7739, 3.5600, 12.4394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0226, 6.7809, 44.2331 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 181) }
```

Border

The CSS property to change the border of an element to XYZ 15.0226, 6.7809, 44.2331 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, 181) }
```


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

```
.border{ border-color:rgb(112, 0, 181) }
```

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, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0226, 6.7809, 44.2331 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, 181) }
```

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

```
.background{ background-color: rgb(112, 0,  
181) }
```

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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