

Converting Colors

XYZ(15.7696, 6.7987, 60.8677)

Have a look what the booklet for
XYZ(15.7696, 6.7987, 60.8677)
contains.

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Color

**XYZ(15.7251, 6.7771,
60.8009)**

Conversions

Conversions Part 1

Format	Color
Hex	5A00D1
RGB	90, 0, 209
RGB Percent	35%, 0%, 82%
CMY	0.6470, 1.0000, 0.1804
CMYK	0.57, 1.00, 0.00, 0.18
HSL	266°, 100%, 41%
HSV	266°, 100%, 82%
XYZ	15.7251, 6.7771, 60.8009
YIQ	50.7360, -13.4490, 84.0790

Conversions

Conversions Part 2

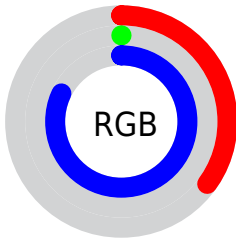
Format	Color
R_{YB}	90, 0, 209
Decimal	5898449
CIE _{Lab}	31.29, 70.63, -83.15
CIE _{LCh}	31, 109.104, 310.346
Yxy	6.7771, 0.1888, 0.0814
Android (android.graphics.Color)	4284088529 (0xFF5A00D1)
YUV	50.7360, 78.0242, 34.4345
Hunter-Lab	26.0329, 62.2651, -120.2514

Details

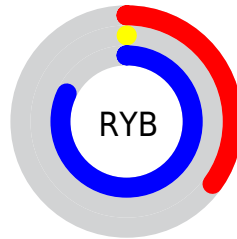
The XYZ color **15.7251, 6.7771, 60.8009** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **30.4075, 49.5226, 7.9562**, and the grayscale version is **3.0308, 3.1886, 3.4724**.

A 20% lighter version of the original color is **33.5042, 18.6270, 96.4373**, and **5.7498, 2.2999, 30.2779** is the 20% darker color. If you saturate the color by 10%, you get **15.7257, 6.7774, 60.8012**, and if you desaturate by 10%, it is **17.2438, 7.9554, 60.9485**.

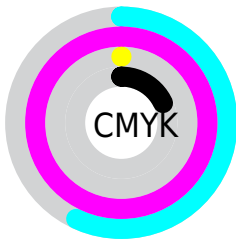
Distribution



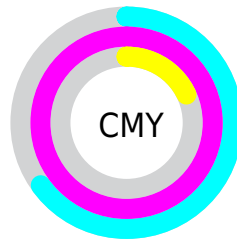
- Red (35%)
- Green (0%)
- Blue (82%)



- Red (35%)
- Yellow (0%)
- Blue (82%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



- Cyan (65%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7251, 6.7771, 60.8009 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 15.7251, 6.7771, 60.8009 by changing the saturation by 10% instead.

■ 15.7251, 6.7771,
60.8009

■ 15.7251, 6.7771,
60.8009

221.0165,
165.7985, 445.4299

■ 9.4194, 3.3231,
43.6350

■ 35.6816, 19.5234,
107.5453

■ 5.0751, 1.3026,
30.0486

■ 50.0632, 29.5844,
137.9609

■ 2.3266, 0.1433,
19.6231

■ 67.8675, 42.6166,
173.6302

■ 0.8082, 0.0000,
11.9400

■ 89.4598, 59.0044,
214.9716

■ 0.0000, 0.0000,
6.5808

■ 115.2055, 79.1320,
262.4037

■ 0.0000, 0.0000,
3.1269


■ 145.4699,


■ 0.0000, 0.0000,


103.3840, 316.3451


1.1598

 180.6185,
132.1447, 377.2144

 0.0000, 0.0000,
0.0000


 15.7251, 6.7771,
60.8009


 15.7251, 6.7771,
60.8009


 15.7257, 6.7774,
60.8012

 17.2438, 7.9554,
60.9485

 19.2437, 9.8096,
61.2010

 21.8303, 12.5385,
61.5914

 25.0639, 16.2518,
62.1377

 28.9959, 21.0421,
62.8551

■ 33.6723, 26.9912,
63.7569

■ 39.1344, 34.1726,
64.8552

■ 45.4203, 42.6537,
66.1609

■ 52.5657, 52.4967,
67.6842

Harmonies

Analogous

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



8.4831, 6.7771, 91.6995



15.7251, 6.7771, 60.8009



21.9153, 6.7771, 22.4976

Triad

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



15.7251, 6.7771, 60.8009



10.5838, 6.7771, 0.0000



0.6727, 6.7771, 14.0791

Complementary

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



15.7251, 6.7771, 60.8009



30.4075, 49.5226, 7.9562

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.



0.7846, 6.7771, 1.2275



15.7251, 6.7771, 60.8009



4.7569, 6.7771, 0.0000

Square

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



15.7251, 6.7771, 60.8009



17.9765, 6.7771, 0.0000



1.7978, 6.7771, 0.0000



1.3371, 6.7771, 47.9622

Rectangle

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



15.7251, 6.7771, 60.8009



23.3063, 6.7771, 7.2018



1.7978, 6.7771, 0.0000



0.6295, 6.7771, 7.5593

Sweetspot

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



15.7257, 6.7774, 60.8012



61.0617, 53.1748, 101.6532



18.4580, 18.5021, 62.9202



12.2587, 10.3077, 21.5934



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



15.7257, 6.7774, 60.8012



24.4576, 10.5232, 95.3499



33.1416, 15.7557, 61.6162



11.6396, 11.6630, 14.8814



9.8042, 4.2345, 37.4931



0.6383, 0.2832, 2.1006

Inverse Universe

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



29.6240, 14.8871, 18.7630



46.3650, 23.3100, 28.9180



23.0392, 45.7241, 7.6114



12.0867, 11.9194, 13.7323



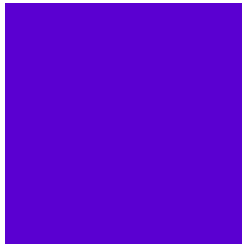
18.3155, 9.1990, 11.8335



1.0635, 0.5301, 0.8690

Previews

White Background



This preview shows how the XYZ color 15.7251, 6.7771, 60.8009 looks on a white background.

Color Contrast Check

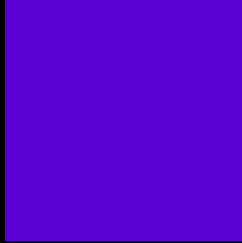
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7251, 6.7771, 60.8009 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 15.7251, 6.7771, 60.8009

Background



This preview shows how black text looks on a background with the XYZ color 15.7251, 6.7771, 60.8009.



This preview shows how white text looks on a background with the XYZ color 15.7251, 6.7771,

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

15.7251, 6.7771, 60.8009

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.8211, 7.0875, 22.4812



Tritanopia

5.7426, 7.1249, 10.3051

Trichromacy



Original Color

15.7251, 6.7771, 60.8009

Protanomaly

9.1470, 5.2945, 40.0750

Deuteranomaly

8.0258, 5.1077, 33.3638

Tritanomaly

7.3173, 5.1140, 22.4312

Monochromacy



Original Color

15.7251, 6.7771, 60.8009

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.4033, 3.2396, 14.5279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7251, 6.7771, 60.8009 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(90, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(90, 0, 209)  
}
```

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(90, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 15.7251, 6.7771, 60.8009 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(90, 0, 209) }
```


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

```
.border{ border-color:rgb(90, 0, 209) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(90, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(90, 0, 209)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7251, 6.7771, 60.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 0, 209) }
```

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

```
.background{ background-color: rgb(90, 0,  
209) }
```

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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