

Converting Colors

XYZ(15.8215, 6.6800, 67.4733)

Have a look what the booklet for
XYZ(15.8215, 6.6800, 67.4733)
contains.

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Color

**XYZ(15.8468, 6.6923,
67.4744)**

Conversions

Conversions Part 1

Format	Color
Hex	4D00DB
RGB	77, 0, 219
RGB Percent	30%, 0%, 86%
CMY	0.6980, 1.0000, 0.1412
CMYK	0.65, 1.00, 0.00, 0.14
HSL	261°, 100%, 43%
HSV	261°, 100%, 86%
XYZ	15.8468, 6.6923, 67.4744
YIQ	47.9890, -24.4070, 84.4330

Conversions

Conversions Part 2

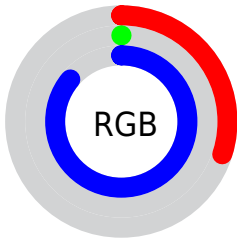
Format	Color
R _Y B	77, 0, 219
Decimal	5046491
CIE Lab	31.10, 72.19, -89.31
CIE LCh	31, 114.842, 308.949
Yxy	6.6923, 0.1760, 0.0743
Android (android.graphics.Color)	4283236571 (0xFF4D00DB)
YUV	47.9890, 84.3084, 25.4426
Hunter-Lab	25.8695, 64.0717, -136.5353

Details

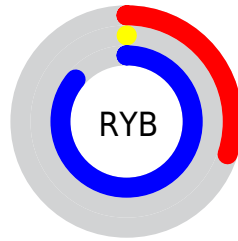
The XYZ color **15.8468, 6.6923, 67.4744** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **36.4856, 56.4133, 8.9659**, and the grayscale version is **2.7224, 2.8642, 3.1191**.

A 20% lighter version of the original color is **31.9803, 17.7462, 96.3476**, and **6.5216, 2.6086, 34.3422** is the 20% darker color. If you saturate the color by 10%, you get **15.8475, 6.6926, 67.4747**, and if you desaturate by 10%, it is **17.4061, 7.9192, 67.6293**.

Distribution



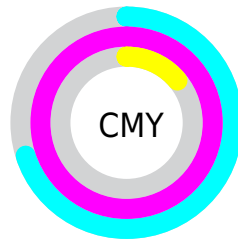
- Red (30%)
- Green (0%)
- Blue (86%)



- Red (30%)
- Yellow (0%)
- Blue (86%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)



- Cyan (70%)
- Magenta (100%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8468, 6.6923, 67.4744 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 15.8468, 6.6923, 67.4744 by changing the saturation by 10% instead.

■ 15.8468, 6.6923,
67.4744

■ 15.8468, 6.6923,
67.4744

221.7242,
165.0819, 470.1789

■ 9.5060, 3.2704,
49.0062

■ 35.8916, 19.3515,
117.2470

■ 5.1324, 1.2745,
34.2588

■ 50.3264, 29.3576,
149.3885

■ 2.3607, 0.1213,
22.8135

■ 68.1897, 42.3272,
186.9249

■ 0.8255, 0.0000,
14.2519

■ 89.8472, 58.6447,
230.2748

■ 0.0000, 0.0000,
8.1553

■ 115.6640, 78.6945,
279.8565


■ 0.0000, 0.0000,
4.1053


■ 146.0055,

■ 0.0000, 0.0000,

102.8611, 336.0888

1.6833

 181.2371,
131.5287, 399.3901


 0.0000, 0.0000,
0.3492


 0.0000, 0.0000,
0.0000


 15.8468, 6.6923,
67.4744


 15.8468, 6.6923,
67.4744

 15.8475, 6.6926,
67.4747

 17.4061, 7.9192,
67.6293

 19.5531, 9.9290,
67.9040

 22.4082, 12.9409,
68.3349

 26.0437, 17.0808,
68.9424

■ 30.5219, 22.4551,
69.7437

■ 35.8981, 29.1575,
70.7541

■ 42.2224, 37.2725,
71.9871

■ 49.5411, 46.8773,
73.4552

■ 57.8973, 58.0435,
75.1701

Harmonies

Analogous

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



8.1923, 6.6923, 100.3671



15.8468, 6.6923, 67.4744



22.6913, 6.6923, 24.9889

Triad

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



15.8468, 6.6923, 67.4744



11.0798, 6.6923, 0.0000



0.5026, 6.6923, 13.2322

Complementary

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



15.8468, 6.6923, 67.4744



36.4856, 56.4133, 8.9659

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.



0.6556, 6.6923, 0.8644



15.8468, 6.6923, 67.4744



4.8249, 6.6923, 0.0000

Square

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



15.8468, 6.6923, 67.4744



18.9920, 6.6923, 0.0000



1.7018, 6.6923, 0.0000



1.1173, 6.6923, 49.1237

Rectangle

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



15.8468, 6.6923, 67.4744



24.4108, 6.6923, 7.8685



1.7018, 6.6923, 0.0000



0.4690, 6.6923, 6.7345

Sweetspot

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



15.8475, 6.6926, 67.4747



59.3574, 52.2962, 101.5735



22.5114, 24.5649, 70.5731



11.8597, 10.1020, 21.5748



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.



15.8475, 6.6926, 67.4747



22.2341, 9.3770, 95.2458



33.0725, 15.5724, 68.2808



12.7685, 12.8388, 16.4573



9.5044, 4.0239, 40.0142



0.7073, 0.3079, 2.5966

Inverse Universe

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



34.0954, 17.0129, 27.0748



48.0619, 23.9888, 37.8535



25.9540, 50.9841, 8.4730



13.4098, 13.1930, 15.4194



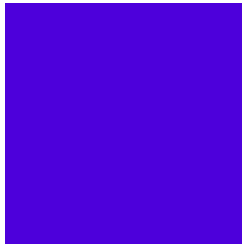
20.2706, 10.1093, 16.3369



1.3535, 0.6710, 1.2705

Previews

White Background



This preview shows how the XYZ color 15.8468, 6.6923, 67.4744 looks on a white background.

Color Contrast Check

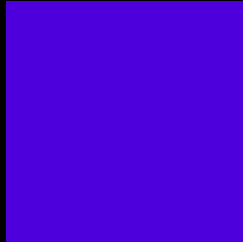
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8468, 6.6923, 67.4744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

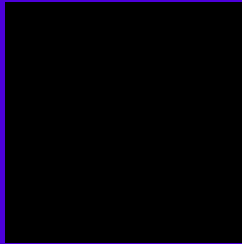
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8468, 6.6923, 67.4744

Background



This preview shows how black text looks on a background with the XYZ color 15.8468, 6.6923, 67.4744.



This preview shows how white text looks on a background with the XYZ color 15.8468, 6.6923,

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

15.8468, 6.6923, 67.4744

Protanopia

7.9849, 6.9017, 30.6171

Deuteranopia

6.6163, 6.8927, 21.7506



Tritanopia

4.8964, 6.9078, 10.5265

Trichromacy



Original Color

15.8468, 6.6923, 67.4744

Protanomaly

9.2924, 5.3355, 41.6144

Deuteranomaly

8.0988, 5.0521, 34.7307

Tritanomaly

6.1959, 4.5707, 23.8482

Monochromacy



Original Color

15.8468, 6.6923, 67.4744

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

5.1081, 3.0356, 15.0685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8468, 6.6923, 67.4744 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(77, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(77, 0, 219)  
}
```

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(77, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 0, 219) }
```

Border

The CSS property to change the border of an element to XYZ 15.8468, 6.6923, 67.4744 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(77, 0, 219) }
```


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

```
.border{ border-color:rgb(77, 0, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 0, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(77, 0, 219)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8468, 6.6923, 67.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 0, 219) }
```

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

```
.background{ background-color: rgb(77, 0,  
219) }
```

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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