

Converting Colors

XYZ(16.8116, 7.3431, 72.4834)

Have a look what the booklet for
XYZ(16.8116, 7.3431, 72.4834)
contains.

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Color

**XYZ(16.7999, 7.3285,
72.4806)**

Conversions

Conversions Part 1

Format	Color
Hex	4B0FE2
RGB	75, 15, 226
RGB Percent	29%, 6%, 89%
CMY	0.7059, 0.9412, 0.1137
CMYK	0.67, 0.93, 0.00, 0.11
HSL	257°, 88%, 47%
HSV	257°, 93%, 89%
XYZ	16.7999, 7.3285, 72.4806
YIQ	56.9940, -31.9710, 78.3410

Conversions

Conversions Part 2

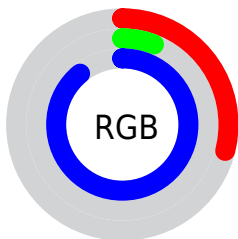
Format	Color
R _Y B	75, 15, 226
Decimal	4919266
CIE Lab	32.54, 71.36, -90.93
CIE LCh	33, 115.594, 308.125
Yxy	7.3285, 0.1739, 0.0759
Android (android.graphics.Color)	4283109346 (0xFF4B0FE2)
YUV	56.9940, 83.3200, 15.7913
Hunter-Lab	27.0712, 63.3993, -139.7936

Details

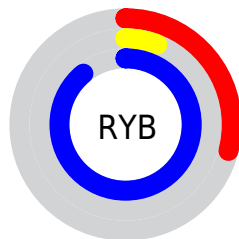
The XYZ color **16.7999, 7.3285, 72.4806** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **43.0049, 62.5325, 10.2550**, and the grayscale version is **3.7856, 3.9827, 4.3372**.

A 20% lighter version of the original color is **32.2055, 18.4570, 96.4729**, and **7.1614, 2.8646, 37.7116** is the 20% darker color. If you saturate the color by 10%, you get **15.8602, 6.5905, 72.3879**, and if you desaturate by 10%, it is **18.7398, 9.0845, 72.7176**.

Distribution



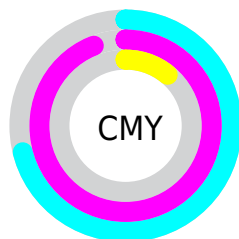
- Red (29%)
- Green (6%)
- Blue (89%)



- Red (29%)
- Yellow (6%)
- Blue (89%)



- Cyan (67%)
- Magenta (93%)
- Yellow (0%)
- Black (11%)



- Cyan (71%)
- Magenta (94%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7999, 7.3285, 72.4806 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 16.7999, 7.3285, 72.4806 by changing the saturation by 10% instead.

■ 16.7999, 7.3285,
72.4806

■ 16.7999, 7.3285,
72.4806

227.1954,
170.3660, 488.2351

■ 10.1863, 3.6684,
53.0621

■ 37.5278, 20.6311,
124.4536

■ 5.5859, 1.4898,
37.4643

■ 52.3728, 31.0423,
157.8453

■ 2.6332, 0.2816,
25.2686

■ 70.6923, 44.4727,
196.7318

■ 0.9629, 0.0000,
16.0564

■ 92.8517, 61.3067,
241.5316

■ 0.0000, 0.0000,
9.4093

■ 119.2164, 81.9286,
292.6633


■ 0.0000, 0.0000,
4.9087


■ 150.1517,

■ 0.0000, 0.0000,


106.7229, 350.5454

2.1360


 186.0229,
136.0739, 415.5965

 0.0000, 0.0000,
0.6371


 0.0000, 0.0000,
0.0000


 16.7999, 7.3285,
72.4806


 16.7999, 7.3285,
72.4806

 15.8602, 6.5905,
72.3879

 18.7398, 9.0845,
72.7176

 21.4592, 11.8904,
73.1158

 25.0483, 15.8952,
73.6997

 29.5830, 21.2230,
74.4890

■ 35.1302, 27.9817,
75.5012

■ 41.7503, 36.2679,
76.7517

■ 49.4989, 46.1696,
78.2545

■ 58.4274, 57.7682,
80.0227

■ 68.5840, 71.1392,
82.0683

Harmonies

Analogous

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



8.7278, 7.3285, 105.8555



16.7999, 7.3285, 72.4806



24.1095, 7.3285, 27.7242

Triad

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



16.7999, 7.3285, 72.4806



12.2129, 7.3285, 0.0000



0.6308, 7.3285, 13.6235

Complementary

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



16.7999, 7.3285, 72.4806



43.0049, 62.5325, 10.2550

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.



0.8056, 7.3285, 0.9117



16.7999, 7.3285, 72.4806



5.4580, 7.3285, 0.0000

Square

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



16.7999, 7.3285, 72.4806



20.5656, 7.3285, 0.0000



1.9928, 7.3285, 0.0000



1.2590, 7.3285, 50.7424

Rectangle

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



16.7999, 7.3285, 72.4806



26.0470, 7.3285, 9.1110



1.9928, 7.3285, 0.0000



0.6040, 7.3285, 6.9457

Sweetspot

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



16.8005, 7.3286, 72.4808



59.9842, 54.1594, 101.9000



27.5996, 32.9429, 76.8557



11.9200, 10.4223, 21.6334



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.



16.8005, 7.3286, 72.4808



20.7622, 8.6182, 95.1769



32.7862, 15.5695, 73.2290



13.3163, 13.4311, 17.2783



9.1492, 3.8119, 41.3019



0.7206, 0.3088, 2.8669

Inverse Universe

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



38.4162, 19.2627, 37.7614



49.7322, 24.6569, 46.6493



29.1892, 55.4103, 9.6084



14.1201, 13.8657, 16.4026



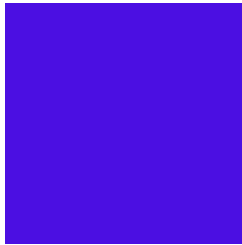
21.6529, 10.7282, 20.6359



1.5387, 0.7588, 1.6298

Previews

White Background



This preview shows how the XYZ color 16.7999, 7.3285, 72.4806 looks on a white background.

Color Contrast Check

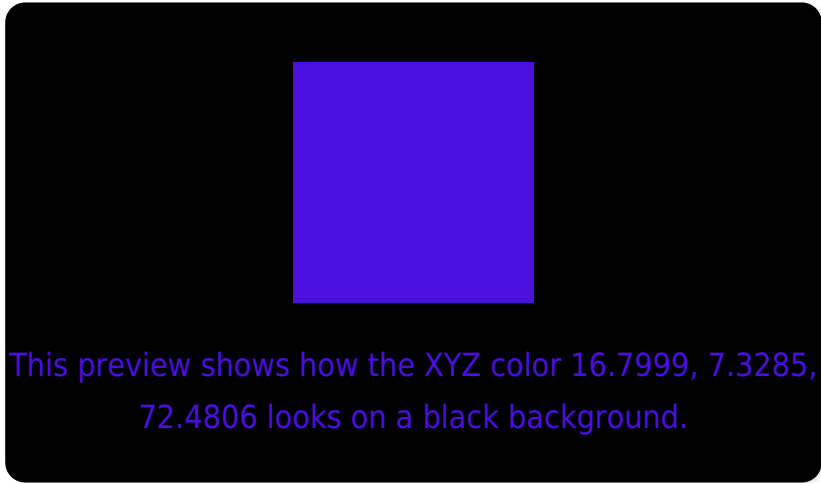
Large Text (above 18pt) WCAG AA ✓ Pass

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

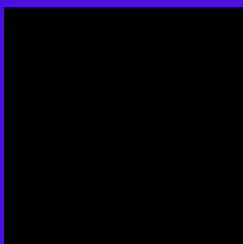
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7999, 7.3285, 72.4806

Background



This preview shows how black text looks on a background with the XYZ color 16.7999, 7.3285, 72.4806.



This preview shows how white text looks on a background with the XYZ color 16.7999, 7.3285,

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

16.7999, 7.3285, 72.4806

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

7.0296, 7.2854, 23.2260



Tritanopia

5.1368, 7.2523, 11.0266

Trichromacy



Original Color

16.7999, 7.3285, 72.4806

Protanomaly

10.0656, 6.1154, 44.3659

Deuteranomaly

8.8412, 5.8514, 37.2227

Tritanomaly

6.8015, 5.3582, 25.4867

Monochromacy



Original Color

16.7999, 7.3285, 72.4806

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.2123, 4.0539, 17.5946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7999, 7.3285, 72.4806 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(75, 15, 226)` looks like.

```
.text, #text, p{  
    color:rgb(75, 15, 226)  
}
```

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(75, 15, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 15, 226) }
```

Border

The CSS property to change the border of an element to XYZ 16.7999, 7.3285, 72.4806 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(75, 15, 226) }
```


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

```
.border{ border-color:rgb(75, 15, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 15, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 15, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 15, 226);  
box-shadow:4px 4px 4px 4px rgb(75, 15,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7999, 7.3285, 72.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 15, 226) }
```

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

```
.background{ background-color: rgb(75, 15,  
226) }
```

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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