

Converting Colors

XYZ(17.4435, 7.3091, 76.8726)

Have a look what the booklet for
XYZ(17.4435, 7.3091, 76.8726)
contains.

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Color

**XYZ(17.4671, 7.3221,
76.8366)**

Conversions

Conversions Part 1

Format	Color
Hex	4B00E8
RGB	75, 0, 232
RGB Percent	29%, 0%, 91%
CMY	0.7058, 1.0000, 0.0902
CMYK	0.68, 1.00, 0.00, 0.09
HSL	259°, 100%, 45%
HSV	259°, 100%, 91%
XYZ	17.4671, 7.3221, 76.8366
YIQ	48.8730, -29.7720, 88.0520

Conversions

Conversions Part 2

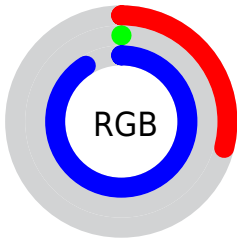
Format	Color
R _Y B	75, 0, 232
Decimal	4915432
CIE Lab	32.53, 75.09, -94.39
CIE LCh	33, 120.615, 308.504
Yxy	7.3221, 0.1719, 0.0720
Android (android.graphics.Color)	4283105512 (0xFF4B00E8)
YUV	48.8730, 90.2816, 22.9134
Hunter-Lab	27.0594, 67.8696, -149.4157

Details

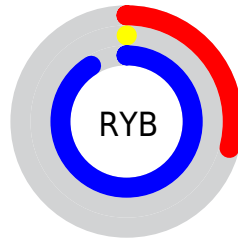
The XYZ color **17.4671, 7.3221, 76.8366** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **42.7597, 64.8807, 10.2696**, and the grayscale version is **2.8118, 2.9583, 3.2216**.

A 20% lighter version of the original color is **32.1096, 18.0048, 96.3907**, and **7.7379, 3.0951, 40.7470** is the 20% darker color. If you saturate the color by 10%, you get **17.4679, 7.3224, 76.8369**, and if you desaturate by 10%, it is **19.1615, 8.6563, 77.0051**.

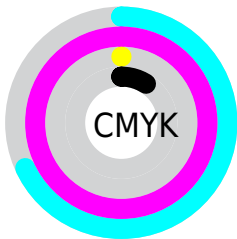
Distribution



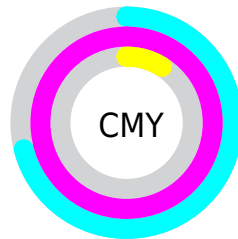
- Red (29%)
- Green (0%)
- Blue (91%)



- Red (29%)
- Yellow (0%)
- Blue (91%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (71%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4671, 7.3221, 76.8366 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 17.4671, 7.3221, 76.8366 by changing the saturation by 10% instead.

■ 17.4671, 7.3221,
76.8366

■ 17.4671, 7.3221,
76.8366

230.9541,
170.3139, 503.6296

■ 10.6654, 3.6643,
56.6080

■ 38.6644, 20.6183,
130.6797

■ 5.9080, 1.4876,
40.2834

■ 53.7908, 31.0256,
165.1313

■ 2.8293, 0.2800,
27.4441

■ 72.4227, 44.4514,
205.1610

■ 1.0642, 0.0000,
17.6716

■ 94.9256, 61.2803,
251.1873

■ 0.0000, 0.0000,
10.5475

■ 121.6649, 81.8966,
303.6288


■ 0.0000, 0.0000,
5.6531


■ 153.0058,


■ 0.0000, 0.0000,


106.6847, 362.9040


2.5700

 189.3137,
136.0290, 429.4314


 0.0000, 0.0000,
0.8769


 0.0000, 0.0000,
0.0000


 17.4671, 7.3221,
76.8366


 17.4671, 7.3221,
76.8366

 17.4679, 7.3224,
76.8369

 19.1615, 8.6563,
77.0051

 21.5506, 10.9008,
77.3124

 24.7718, 14.3020,
77.7991

 28.9114, 19.0066,
78.4890

■ 34.0432, 25.1385,
79.4021

■ 40.2331, 32.8070,
80.5561

■ 47.5406, 42.1103,
81.9666

■ 56.0209, 53.1382,
83.6483

■ 65.7250, 65.9741,
85.6144

Harmonies

Analogous

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



8.8959, 7.3221, 113.7898



17.4671, 7.3221, 76.8366



25.2454, 7.3221, 28.4548

Triad

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



17.4671, 7.3221, 76.8366



12.3685, 7.3221, 0.0000



0.5108, 7.3221, 14.2356

Complementary

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



17.4671, 7.3221, 76.8366



42.7597, 64.8807, 10.2696

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.



0.6832, 7.3221, 0.8311



17.4671, 7.3221, 76.8366



5.3266, 7.3221, 0.0000

Square

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



17.4671, 7.3221, 76.8366



21.2711, 7.3221, 0.0000



1.8330, 7.3221, 0.0000



1.1501, 7.3221, 54.4653

Rectangle

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



17.4671, 7.3221, 76.8366



27.2641, 7.3221, 8.9067



1.8330, 7.3221, 0.0000



0.4794, 7.3221, 7.1061

Sweetspot

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



17.4679, 7.3224, 76.8369



58.7623, 51.9894, 101.5456



26.8836, 30.4624, 80.8071



11.7210, 10.0305, 21.5683



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.



17.4679, 7.3224, 76.8369



21.5685, 9.0338, 95.2147



35.6678, 16.7048, 77.6886



14.0194, 14.1122, 18.1294



9.8144, 4.1254, 42.6622



0.8197, 0.3535, 3.1570

Inverse Universe

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



39.3639, 19.5899, 33.6012



48.7399, 24.2599, 41.4238



29.8335, 58.2170, 9.6646



14.7865, 14.5318, 17.0761



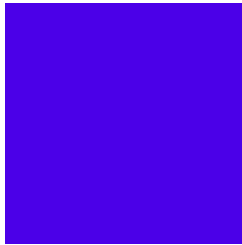
21.9133, 10.8995, 18.9702



1.6614, 0.8223, 1.6235

Previews

White Background



This preview shows how the XYZ color 17.4671, 7.3221, 76.8366 looks on a white background.

Color Contrast Check

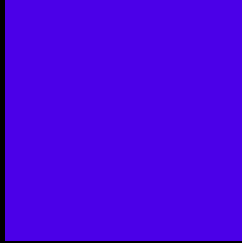
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4671, 7.3221, 76.8366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

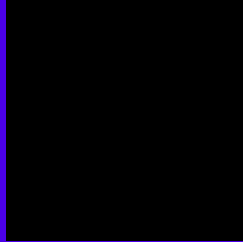
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4671, 7.3221, 76.8366

Background



This preview shows how black text looks on a background with the XYZ color 17.4671, 7.3221, 76.8366.



This preview shows how white text looks on a background with the XYZ color 17.4671, 7.3221,

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

17.4671, 7.3221, 76.8366

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.1717, 7.4586, 23.6159



Tritanopia

5.2596, 7.4283, 11.2818

Trichromacy



Original Color

17.4671, 7.3221, 76.8366

Protanomaly

10.2659, 5.8497, 46.4870

Deuteranomaly

8.8915, 5.5029, 38.6237

Tritanomaly

6.7761, 4.9486, 26.5846

Monochromacy



Original Color

17.4671, 7.3221, 76.8366

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.3873, 3.1405, 16.8452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4671, 7.3221, 76.8366 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, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 232)  
}
```

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, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 17.4671, 7.3221, 76.8366 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, 0, 232) }
```


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

```
.border{ border-color:rgb(75, 0, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(75, 0, 232)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4671, 7.3221, 76.8366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 232) }
```

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

```
.background{ background-color: rgb(75, 0,  
232) }
```

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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