

Converting Colors

XYZ(17.2999, 7.7628, 53.0202)

Have a look what the booklet for
XYZ(17.2999, 7.7628, 53.0202)
contains.

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Color

**XYZ(17.2999, 7.7674,
52.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	7500C4
RGB	117, 0, 196
RGB Percent	46%, 0%, 77%
CMY	0.5412, 1.0000, 0.2314
CMYK	0.40, 1.00, 0.00, 0.23
HSL	276°, 100%, 38%
HSV	276°, 100%, 77%
XYZ	17.2999, 7.7674, 52.8120
YIQ	57.3270, 6.8160, 85.7600

Conversions

Conversions Part 2

Format	Color
R_{YB}	117, 0, 196
Decimal	7667908
CIE _{Lab}	33.49, 70.03, -71.81
CIE _{LCh}	33, 100.298, 314.280
Yxy	7.7674, 0.2221, 0.0997
Android (android.graphics.Color)	4285857988 (0xFF7500C4)
YUV	57.3270, 68.3658, 52.3332
Hunter-Lab	27.8701, 62.0285, -92.8418

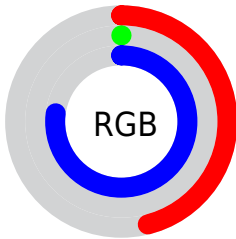
Details

The XYZ color **17.2999, 7.7674, 52.8120** is a dark color, and the websafe version is hex **6600CC**.

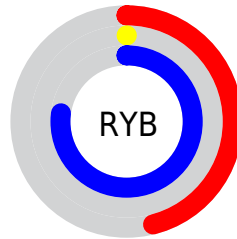
The color can be described as dark washed purple. A complement of this color would be **22.9642, 41.1421, 6.7309**, and the grayscale version is **3.8446, 4.0448, 4.4048**.

A 20% lighter version of the original color is **38.3100, 21.4180, 95.8809**, and **6.3833, 2.7353, 25.3908** is the 20% darker color. If you saturate the color by 10%, you get **17.3004, 7.7677, 52.8122**, and if you desaturate by 10%, it is **18.6503, 8.8245, 52.9451**.

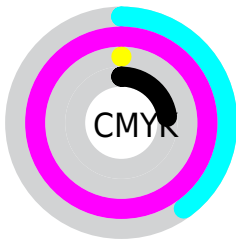
Distribution



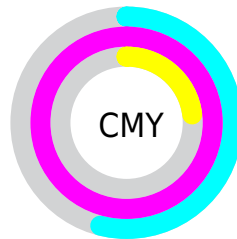
- Red (46%)
- Green (0%)
- Blue (77%)



- Red (46%)
- Yellow (0%)
- Blue (77%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)



- Cyan (54%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2999, 7.7674, 52.8120 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 17.2999, 7.7674, 52.8120 by changing the saturation by 10% instead.

■ 17.2999, 7.7674,
52.8120

■ 17.2999, 7.7674,
52.8120

230.0174,
173.8961, 414.6092

■ 10.5452, 3.9465,
37.2660

■ 38.3802, 21.5012,
95.7664

■ 5.8269, 1.6437,
25.1161

■ 53.4365, 32.1828,
124.0119

■ 2.7798, 0.3868,
15.9438

■ 71.9907, 45.9202,
157.3277

■ 1.0384, 0.0000,
9.3305

■ 94.4081, 63.0976,
196.1322

■ 0.0000, 0.0000,
4.8576

■ 121.0541, 84.0995,
240.8441

■ 0.0000, 0.0000,
2.1067


■ 152.2941,


■ 0.0000, 0.0000,

109.3103, 291.8819

0.6197

 188.4934,
139.1143, 349.6641


 0.0000, 0.0000,
0.0000


 17.2999, 7.7674,
52.8120


 17.2999, 7.7674,
52.8120


 17.3004, 7.7677,
52.8122

 18.6503, 8.8245,
52.9451

 20.3377, 10.4203,
53.1641

 22.4515, 12.7296,
53.4985

 25.0387, 15.8435,
53.9632

 28.1392, 19.8390,
54.5710

■ 31.7881, 24.7837,
55.3331

■ 36.0174, 30.7386,
56.2596

■ 40.8562, 37.7594,
57.3597

■ 46.3316, 45.8976,
58.6419

Harmonies

Analogous

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



10.2606, 7.7674, 82.7735



17.2999, 7.7674, 52.8120



22.6264, 7.7674, 19.3827

Triad

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



17.2999, 7.7674, 52.8120



10.5784, 7.7674, 0.0000



1.1911, 7.7674, 18.1521

Complementary

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



17.2999, 7.7674, 52.8120



22.9642, 41.1421, 6.7309

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.



1.2112, 7.7674, 2.6776



17.2999, 7.7674, 52.8120



5.1005, 7.7674, 0.0000

Square

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



17.2999, 7.7674, 52.8120



17.6282, 7.7674, 0.0000



2.2380, 7.7674, 0.0000



2.1556, 7.7674, 51.0363

Rectangle

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



17.2999, 7.7674, 52.8120



23.3954, 7.7674, 6.4211



2.2380, 7.7674, 0.0000



1.1064, 7.7674, 10.8842

Sweetspot

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



17.3004, 7.7677, 52.8122



64.8623, 55.1341, 101.8311



12.9561, 9.9700, 53.4663



13.1574, 10.7710, 21.6355



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.



17.3004, 7.7677, 52.8122



31.0408, 13.9170, 95.6580



30.9694, 15.0175, 44.2688



10.0919, 10.0385, 12.6906



11.2156, 5.0423, 33.9387



0.5608, 0.2572, 1.4700

Inverse Universe

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



24.1762, 12.3003, 8.4965



43.6770, 22.2348, 14.7629



19.8360, 39.5184, 7.0857



10.2377, 10.1437, 11.3420



15.5744, 7.9195, 5.6708



0.7070, 0.3558, 0.4245

Previews

White Background



This preview shows how the XYZ color 17.2999, 7.7674, 52.8120 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

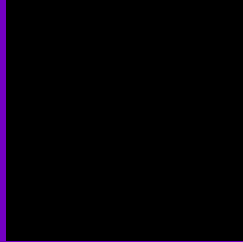
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.2999, 7.7674, 52.8120

Background



This preview shows how black text looks on a background with the XYZ color 17.2999, 7.7674, 52.8120.



This preview shows how white text looks on a background with the XYZ color 17.2999, 7.7674,

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

17.2999, 7.7674, 52.8120

Protanopia

9.5159, 8.1654, 36.6718

Deuteranopia

7.9757, 8.1395, 26.7419



Tritanopia

8.6216, 8.1052, 9.0927

Trichromacy



Original Color

17.2999, 7.7674, 52.8120



Protanomaly

9.9733, 5.9294, 41.6931



Deuteranomaly

8.7910, 5.6684, 34.8132



Tritanomaly

10.1116, 6.3687, 19.4352

Monochromacy



Original Color

17.2999, 7.7674, 52.8120



Achromatopsia

3.8890, 4.0915, 4.4557



Achromatomaly

6.5621, 4.0067, 14.6149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2999, 7.7674, 52.8120 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(117, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 196)  
}
```

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(117, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 196) }
```

Border

The CSS property to change the border of an element to XYZ 17.2999, 7.7674, 52.8120 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(117, 0, 196) }
```


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

```
.border{ border-color:rgb(117, 0, 196) }
```

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

Here you see how a box with a 4 pixel rgb(117, 0, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2999, 7.7674, 52.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 196) }
```

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

```
.background{ background-color: rgb(117, 0,  
196) }
```

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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