

Converting Colors

XYZ(17.4951, 7.2945, 78.7808)

Have a look what the booklet for
XYZ(17.4951, 7.2945, 78.7808)
contains.

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Color

**XYZ(17.5212, 7.3002,
79.0829)**

Conversions

Conversions Part 1

Format	Color
Hex	4600EB
RGB	70, 0, 235
RGB Percent	27%, 0%, 92%
CMY	0.7254, 1.0000, 0.0784
CMYK	0.70, 1.00, 0.00, 0.08
HSL	258°, 100%, 46%
HSV	258°, 100%, 92%
XYZ	17.5212, 7.3002, 79.0829
YIQ	47.7200, -33.7150, 87.9250

Conversions

Conversions Part 2

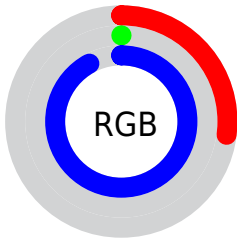
Format	Color
R_{YB}	70, 0, 235
Decimal	4587755
CIE _{Lab}	32.48, 75.59, -96.19
CIE _{LCh}	32, 122.340, 308.163
Yxy	7.3002, 0.1686, 0.0703
Android (android.graphics.Color)	4282777835 (0xFF4600EB)
YUV	47.7200, 92.3290, 19.5396
Hunter-Lab	27.0189, 68.4706, -154.6256

Details

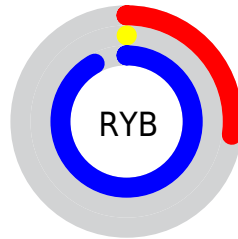
The XYZ color **17.5212, 7.3002, 79.0829** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **45.2232, 67.4151, 10.6289**, and the grayscale version is **2.6864, 2.8262, 3.0778**.

A 20% lighter version of the original color is **31.5879, 17.7359, 96.3662**, and **7.9358, 3.1743, 41.7894** is the 20% darker color. If you saturate the color by 10%, you get **17.5221, 7.3007, 79.0832**, and if you desaturate by 10%, it is **19.1968, 8.6338, 79.2523**.

Distribution



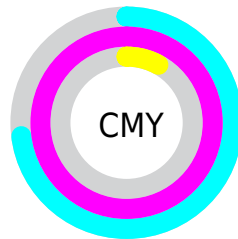
- Red (27%)
- Green (0%)
- Blue (92%)



- Red (27%)
- Yellow (0%)
- Blue (92%)



- Cyan (70%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



- Cyan (73%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5212, 7.3002, 79.0829 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 17.5212, 7.3002, 79.0829 by changing the saturation by 10% instead.

■ 17.5212, 7.3002,
79.0829

■ 17.5212, 7.3002,
79.0829

231.2564,
170.1353, 511.4618

■ 10.7044, 3.6505,
58.4423

■ 38.7563, 20.5746,
133.8753

■ 5.9342, 1.4801,
41.7472

■ 53.9052, 30.9682,
168.8641

■ 2.8454, 0.2746,
28.5793

■ 72.5623, 44.3785,
209.4727

■ 1.0725, 0.0000,
18.5200

■ 95.0928, 61.1900,
256.1197

■ 0.0020, 0.0000,
11.1507

■ 121.8621, 81.7870,
309.2235


■ 0.0000, 0.0000,
6.0528


■ 153.2356,


■ 0.0000, 0.0000,


106.5540, 369.2028


2.8079


 189.5786,
135.8753, 436.4760


 0.0000, 0.0000,
0.9974


 0.0000, 0.0000,
0.0000


 17.5212, 7.3002,
79.0829


 17.5212, 7.3002,
79.0829

 17.5221, 7.3007,
79.0832

 19.1968, 8.6338,
79.2523

 21.6065, 10.9153,
79.5656

 24.8947, 14.3993,
80.0648

 29.1527, 19.2384,
80.7744

■ 34.4590, 25.5620,
81.7153

■ 40.8836, 33.4836,
82.9057

■ 48.4900, 43.1056,
84.3621

■ 57.3366, 54.5217,
86.0993

■ 67.4779, 67.8186,
88.1314

Harmonies

Analogous

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



8.8168, 7.3002, 116.7211



17.5212, 7.3002, 79.0829



25.5118, 7.3002, 29.2813

Triad

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



17.5212, 7.3002, 79.0829



12.5304, 7.3002, 0.0000



0.4614, 7.3002, 14.0055

Complementary

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



17.5212, 7.3002, 79.0829



45.2232, 67.4151, 10.6289

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.



0.6455, 7.3002, 0.7337



17.5212, 7.3002, 79.0829



5.3481, 7.3002, 0.0000

Square

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



17.5212, 7.3002, 79.0829



21.6078, 7.3002, 0.0000



1.8041, 7.3002, 0.0000



1.0907, 7.3002, 54.8971

Rectangle

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



17.5212, 7.3002, 79.0829



27.6364, 7.3002, 9.1208



1.8041, 7.3002, 0.0000



0.4327, 7.3002, 6.8815

Sweetspot

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



17.5221, 7.3007, 79.0832



58.2357, 51.7180, 101.5210



29.0752, 34.1577, 83.6582



11.5985, 9.9674, 21.5625



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.



17.5221, 7.3007, 79.0832



21.0281, 8.7553, 95.1894



34.7827, 16.1989, 79.8910



14.6530, 14.7664, 19.0002



9.8636, 4.1208, 44.0185



0.8682, 0.3719, 3.4609

Inverse Universe

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



41.0516, 20.3784, 37.3618



49.3798, 24.5159, 44.7933



31.0695, 60.1185, 9.9665



15.5125, 15.2329, 17.9842



22.9058, 11.3650, 21.1032



1.8407, 0.9092, 1.8782

Previews

White Background



This preview shows how the XYZ color 17.5212, 7.3002, 79.0829 looks on a white background.

Color Contrast Check

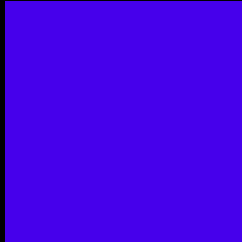
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5212, 7.3002, 79.0829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

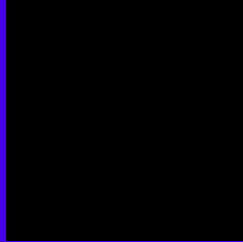
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5212, 7.3002, 79.0829

Background



This preview shows how black text looks on a background with the XYZ color 17.5212, 7.3002, 79.0829.



This preview shows how white text looks on a background with the XYZ color 17.5212, 7.3002,

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

17.5212, 7.3002, 79.0829

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1717, 7.4586, 23.6159



Tritanopia

5.2161, 7.4109, 11.0531

Trichromacy



Original Color

17.5212, 7.3002, 79.0829

Protanomaly

10.2148, 5.8234, 46.4846

Deuteranomaly

8.9354, 5.5146, 39.1216

Tritanomaly

6.7250, 4.9222, 26.5822

Monochromacy



Original Color

17.5212, 7.3002, 79.0829

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

5.2733, 3.0817, 16.8399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5212, 7.3002, 79.0829 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(70, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 235)  
}
```

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(70, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 17.5212, 7.3002, 79.0829 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(70, 0, 235) }
```


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

```
.border{ border-color:rgb(70, 0, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 0, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 235)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5212, 7.3002, 79.0829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 235) }
```

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

```
.background{ background-color: rgb(70, 0,  
235) }
```

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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