

Converting Colors

XYZ(17.8936, 7.8388, 78.8645)

Have a look what the booklet for
XYZ(17.8936, 7.8388, 78.8645)
contains.

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Color

**XYZ(17.9759, 7.8804,
79.1709)**

Conversions

Conversions Part 1

Format	Color
Hex	4913EB
RGB	73, 19, 235
RGB Percent	29%, 7%, 92%
CMY	0.7137, 0.9255, 0.0784
CMYK	0.69, 0.92, 0.00, 0.08
HSL	255°, 85%, 50%
HSV	255°, 92%, 92%
XYZ	17.9759, 7.8804, 79.1709
YIQ	59.7700, -37.1520, 78.6240

Conversions

Conversions Part 2

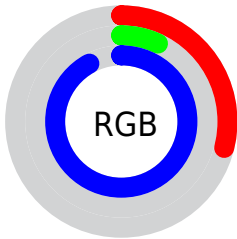
Format	Color
R_{YB}	73, 19, 235
Decimal	4789227
CIE _{Lab}	33.73, 72.64, -94.10
CIE _{LCh}	34, 118.874, 307.666
Yxy	7.8804, 0.1712, 0.0750
Android (android.graphics.Color)	4282979307 (0xFF4913EB)
YUV	59.7700, 86.3884, 11.6027
Hunter-Lab	28.0721, 65.1761, -147.5637

Details

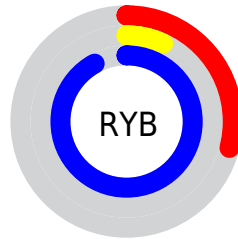
The XYZ color **17.9759, 7.8804, 79.1709** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **48.8778, 69.2855, 11.4130**, and the grayscale version is **4.1512, 4.3674, 4.7561**.

A 20% lighter version of the original color is **32.4203, 18.8866, 96.5445**, and **7.9358, 3.1743, 41.7894** is the 20% darker color. If you saturate the color by 10%, you get **16.7853, 6.9209, 79.0487**, and if you desaturate by 10%, it is **20.1192, 9.8947, 79.4470**.

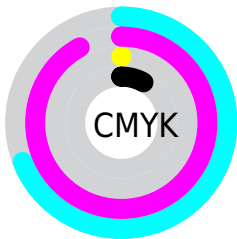
Distribution



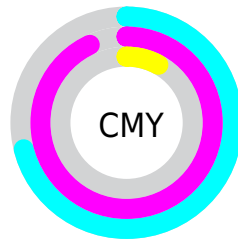
- Red (29%)
- Green (7%)
- Blue (92%)



- Red (29%)
- Yellow (7%)
- Blue (92%)



- Cyan (69%)
- Magenta (92%)
- Yellow (0%)
- Black (8%)



- Cyan (71%)
- Magenta (93%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9759, 7.8804, 79.1709 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 17.9759, 7.8804, 79.1709 by changing the saturation by 10% instead.

■ 17.9759, 7.8804,
79.1709

■ 17.9759, 7.8804,
79.1709

233.7834,
174.7909, 511.7672

■ 11.0323, 4.0185,
58.5142

■ 39.5267, 21.7236,
134.0003

■ 6.1560, 1.6839,
41.8047

■ 54.8645, 32.4738,
169.0100

■ 2.9817, 0.4132,
28.6240

■ 73.7311, 46.2888,
209.6412

■ 1.1441, 0.0000,
18.5534

■ 96.4919, 63.5531,
256.3123

■ 0.0615, 0.0000,
11.1745

■ 123.5121, 84.6511,
309.4419


■ 0.0000, 0.0000,
6.0687


■ 155.1572,

■ 0.0000, 0.0000,


109.9671, 369.4486


2.8174


 191.7925,
139.8856, 436.7508


 0.0000, 0.0000,
1.0022


 0.0000, 0.0000,
0.0000


 17.9759, 7.8804,
79.1709


 17.9759, 7.8804,
79.1709

 16.7853, 6.9209,
79.0487

 20.1192, 9.8947,
79.4470

 23.1587, 13.0978,
79.9051

 27.1953, 17.6515,
80.5713

 32.3145, 23.6911,
81.4672

■ 38.5923, 31.3354,
82.6119

■ 46.0973, 40.6907,
84.0221

■ 54.8925, 51.8541,
85.7132

■ 65.0366, 64.9153,
87.6997

■ 76.5845, 79.9580,
89.9946

Harmonies

Analogous

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



9.2783, 7.8804, 114.7976



17.9759, 7.8804, 79.1709



25.9391, 7.8804, 30.5403

Triad

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



17.9759, 7.8804, 79.1709



13.2931, 7.8804, 0.0000



0.6734, 7.8804, 14.2757

Complementary

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



17.9759, 7.8804, 79.1709



48.8778, 69.2855, 11.4130

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.



0.8654, 7.8804, 0.9080



17.9759, 7.8804, 79.1709



5.9478, 7.8804, 0.0000

Square

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



17.9759, 7.8804, 79.1709



22.3173, 7.8804, 0.0000



2.1646, 7.8804, 0.0000



1.3227, 7.8804, 54.0769

Rectangle

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



17.9759, 7.8804, 79.1709



28.1132, 7.8804, 10.1173



2.1646, 7.8804, 0.0000



0.6499, 7.8804, 7.2076

Sweetspot

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



17.9766, 7.8805, 79.1712



59.3175, 53.8157, 101.8688



31.7873, 39.1835, 84.4854



11.7638, 10.3417, 21.6261



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.



17.9766, 7.8805, 79.1712



20.1493, 8.3023, 95.1482



34.2838, 16.2872, 79.9343



14.5841, 14.7309, 18.9969



9.4400, 3.9024, 43.9987



0.8271, 0.3507, 3.4590

Inverse Universe

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



42.8325, 21.4631, 45.5918



50.6694, 25.0318, 51.5848



32.5731, 60.8801, 10.6500



15.5445, 15.2457, 18.1526



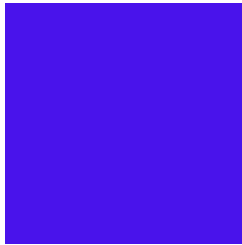
23.4957, 11.6010, 24.2093



1.8830, 0.9262, 2.1012

Previews

White Background



This preview shows how the XYZ color 17.9759, 7.8804, 79.1709 looks on a white background.

Color Contrast Check

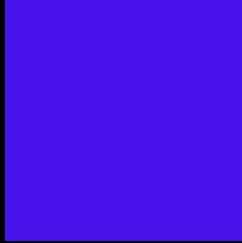
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9759, 7.8804, 79.1709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

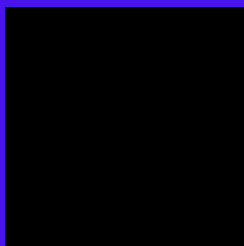
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9759, 7.8804, 79.1709

Background



This preview shows how black text looks on a background with the XYZ color 17.9759, 7.8804, 79.1709.



This preview shows how white text looks on a background with the XYZ color 17.9759, 7.8804,

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

17.9759, 7.8804, 79.1709

Protanopia

9.0869, 7.8810, 34.7605

Deuteranopia

7.5327, 7.8407, 24.7833



Tritanopia

5.5101, 7.7876, 11.8024

Trichromacy



Original Color

17.9759, 7.8804, 79.1709

Protanomaly

10.9433, 6.6922, 48.2919

Deuteranomaly

9.5588, 6.3781, 40.2625

Tritanomaly

7.3403, 5.8324, 27.5269

Monochromacy



Original Color

17.9759, 7.8804, 79.1709

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.7564, 4.4558, 19.5727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9759, 7.8804, 79.1709 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(73, 19, 235)` looks like.

```
.text, #text, p{  
    color:rgb(73, 19, 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(73, 19, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 19, 235) }
```

Border

The CSS property to change the border of an element to XYZ 17.9759, 7.8804, 79.1709 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(73, 19, 235) }
```


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

```
.border{ border-color:rgb(73, 19, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 19, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 19, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 19, 235);  
box-shadow:4px 4px 4px 4px rgb(73, 19,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9759, 7.8804, 79.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 19, 235) }
```

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

```
.background{ background-color: rgb(73, 19,  
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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