

# Converting Colors

XYZ(17.9588, 7.5755, 76.8596)

Have a look what the booklet for  
XYZ(17.9588, 7.5755, 76.8596)  
contains.

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# Color

**XYZ(17.9588, 7.5755,  
76.8596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5100E8
RGB	81, 0, 232
RGB Percent	32%, 0%, 91%
CMY	0.6823, 1.0000, 0.0902
CMYK	0.65, 1.00, 0.00, 0.09
HSL	261°, 100%, 45%
HSV	261°, 100%, 91%
XYZ	17.9588, 7.5755, 76.8596
YIQ	50.6670, -26.1960, 89.3240

# Conversions

## Conversions Part 2

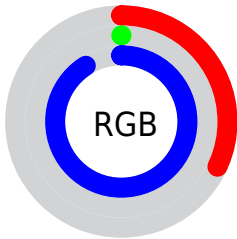
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 0, 232
Decimal	5308648
CIELab	33.08, 75.35, -93.45
CIELCh	33, 120.045, 308.879
Yxy	7.5755, 0.1754, 0.0740
Android (android.graphics.Color)	4283498728 (0xFF5100E8)
YUV	50.6670, 89.3972, 26.6020
Hunter-Lab	27.5236, 68.3025, -146.3005

# Details

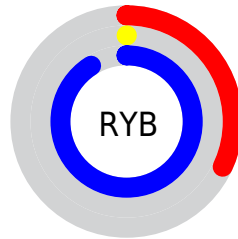
The XYZ color **17.9588, 7.5755, 76.8596** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **41.6177, 64.2920, 10.2161**, and the grayscale version is **3.0116, 3.1684, 3.4504**.

A 20% lighter version of the original color is **33.0765, 18.6016, 96.4549**, and **7.7379, 3.0951, 40.7470** is the 20% darker color. If you saturate the color by 10%, you get **17.9596, 7.5759, 76.8599**, and if you desaturate by 10%, it is **19.7111, 8.9396, 77.0308**.

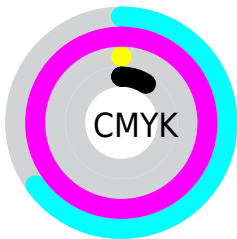
# Distribution



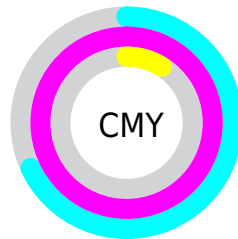
- Red (32%)
- Green (0%)
- Blue (91%)



- Red (32%)
- Yellow (0%)
- Blue (91%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)




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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9588, 7.5755, 76.8596 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 17.9588, 7.5755, 76.8596 by changing the saturation by 10% instead.




 17.9588, 7.5755,  
76.8596


 17.9588, 7.5755,  
76.8596


233.6888,  
172.3635, 503.7101


 11.0199, 3.8245,  
56.6268


 39.4977, 21.1219,  
130.7125


 6.1476, 1.5759,  
40.2983


 54.8285, 31.6862,  
165.1696

 2.9766, 0.3413,  
27.4557


 73.6873, 45.2904,  
205.2053

 1.1414, 0.0000,  
17.6803

 96.4394, 62.3189,  
251.2380

 0.0593, 0.0000,  
10.5536

 123.4503, 83.1560,  
303.6863


 0.0000, 0.0000,  
5.6572


 155.0853,

 0.0000, 0.0000,

108.1862, 362.9687

2.5724

 191.7096,  
137.7939, 429.5038


 0.0000, 0.0000,  
0.8781


 0.0000, 0.0000,  
0.0000


 17.9588, 7.5755,  
76.8596


 17.9588, 7.5755,  
76.8596

 17.9596, 7.5759,  
76.8599

 19.7111, 8.9396,  
77.0308

 22.1398, 11.2045,  
77.3400

 25.3801, 14.6156,  
77.8276

 29.5159, 19.3182,  
78.5173

■ 34.6191, 25.4354,  
79.4291

■ 40.7536, 33.0754,  
80.5804

■ 47.9774, 42.3355,  
81.9871

■ 56.3439, 53.3048,  
83.6634

■ 65.9029, 66.0658,  
85.6227

# Harmonies

## Analogous

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



9.2626, 7.5755, 114.2474



17.9588, 7.5755, 76.8596



25.7530, 7.5755, 28.4647

# Triad

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



17.9588, 7.5755, 76.8596



12.5815, 7.5755, 0.0000



0.5857, 7.5755, 14.9390

# Complementary

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



17.9588, 7.5755, 76.8596



41.6177, 64.2920, 10.2161

# 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.



0.7474, 7.5755, 0.9635



17.9588, 7.5755, 76.8596



5.4694, 7.5755, 0.0000

# Square

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



17.9588, 7.5755, 76.8596



21.5772, 7.5755, 0.0000



1.9217, 7.5755, 0.0000



1.2529, 7.5755, 55.7216



# Rectangle

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



17.9588, 7.5755, 76.8596



27.7214, 7.5755, 8.9546



1.9217, 7.5755, 0.0000



0.5511, 7.5755, 7.5804

# Sweetspot

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



17.9596, 7.5759, 76.8599



59.3054, 52.2694, 101.5710



26.2315, 29.1582, 80.5897



11.8475, 10.0958, 21.5742



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.



17.9596, 7.5759, 76.8599



22.1736, 9.3458, 95.2430



36.6430, 17.2076, 77.7343



14.0551, 14.1306, 18.1310



10.0934, 4.2692, 42.6752



0.8434, 0.3658, 3.1581



# Inverse Universe

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



38.8641, 19.3900, 30.9690



48.1193, 24.0117, 38.1560



29.6808, 58.1383, 9.6575



14.7702, 14.5253, 16.9901



21.6375, 10.7892, 17.5177

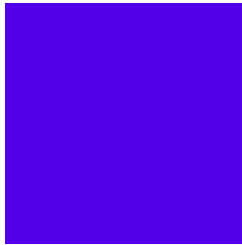


1.6425, 0.8147, 1.5237



# Previews

## White Background



This preview shows how the XYZ color 17.9588, 7.5755, 76.8596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

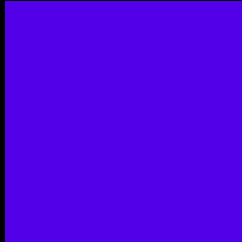
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the XYZ color 17.9588, 7.5755, 76.8596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

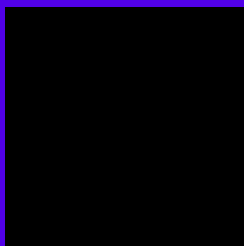
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 17.9588, 7.5755, 76.8596**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.9588, 7.5755, 76.8596.



This preview shows how white text looks on a background with the XYZ color 17.9588, 7.5755,



# 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

17.9588, 7.5755, 76.8596

### Protanopia

8.9990, 7.8458, 34.2978

### Deuteranopia

7.4612, 7.8122, 24.4072



## Tritanopia

5.5101, 7.7876, 11.8024

# Trichromacy



## Original Color

17.9588, 7.5755, 76.8596

## Protanomaly

10.4679, 6.0030, 47.0613

## Deuteranomaly

9.0854, 5.6575, 39.1412

## Tritanomaly

6.9549, 5.1032, 27.0040

# Monochromacy



## Original Color

17.9588, 7.5755, 76.8596

## Achromatopsia

3.1466, 3.3105, 3.6051

## Achromatomaly

5.7140, 3.3415, 17.1734

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.9588, 7.5755, 76.8596 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(81, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(81, 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(81, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 17.9588, 7.5755, 76.8596 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(81, 0, 232) }
```



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

```
.border{ border-color:rgb(81, 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(81, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(81, 0, 232)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 17.9588, 7.5755, 76.8596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 232) }
```

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

```
.background{ background-color: rgb(81, 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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