

Converting Colors

XYZ(17.9628, 7.4044, 84.6838)

Have a look what the booklet for
XYZ(17.9628, 7.4044, 84.6838)
contains.

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Color

**XYZ(17.9515, 7.4029,
84.4872)**

Conversions

Conversions Part 1

Format	Color
Hex	3D00F2
RGB	61, 0, 242
RGB Percent	24%, 0%, 95%
CMY	0.7607, 1.0000, 0.0510
CMYK	0.75, 1.00, 0.00, 0.05
HSL	255°, 100%, 47%
HSV	255°, 100%, 95%
XYZ	17.9515, 7.4029, 84.4872
YIQ	45.8270, -41.3260, 88.1940

Conversions

Conversions Part 2

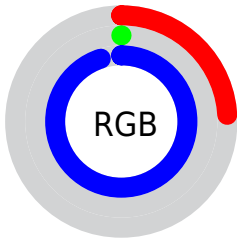
Format	Color
R _Y B	61, 0, 242
Decimal	3997938
CIE Lab	32.71, 76.93, -99.81
CIE LCh	33, 126.013, 307.625
Yxy	7.4029, 0.1634, 0.0674
Android (android.graphics.Color)	4282188018 (0xFF3D00F2)
YUV	45.8270, 96.7133, 13.3067
Hunter-Lab	27.2083, 70.1564, -165.0617

Details

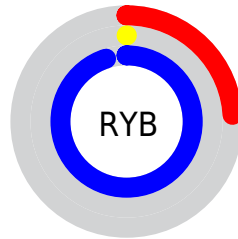
The XYZ color **17.9515, 7.4029, 84.4872** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **50.8052, 73.3267, 11.4757**, and the grayscale version is **2.4865, 2.6160, 2.8489**.

A 20% lighter version of the original color is **30.9138, 17.3884, 96.3347**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **17.9524, 7.4034, 84.4875**, and if you desaturate by 10%, it is **19.5917, 8.7395, 84.6590**.

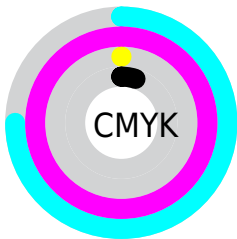
Distribution



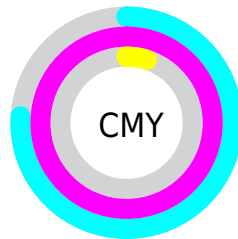
- Red (24%)
- Green (0%)
- Blue (95%)



- Red (24%)
- Yellow (0%)
- Blue (95%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (76%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9515, 7.4029, 84.4872 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 17.9515, 7.4029, 84.4872 by changing the saturation by 10% instead.

■ 17.9515, 7.4029,
84.4872

■ 17.9515, 7.4029,
84.4872

233.6484,
170.9707, 530.0300

■ 11.0146, 3.7153,
62.8700

■ 39.4854, 20.7793,
141.5243

■ 6.1441, 1.5156,
45.2958

■ 54.8132, 31.2368,
177.7813

■ 2.9744, 0.2997,
31.3458

■ 73.6686, 44.7199,
219.7553

■ 1.1402, 0.0000,
20.6016

■ 96.4171, 61.6128,
267.8650

■ 0.0584, 0.0000,
12.6447

■ 123.4239, 82.2999,
322.5287


■ 0.0000, 0.0000,
7.0565


■ 155.0545,


■ 0.0000, 0.0000,


107.1657, 384.1651


3.4185


 191.6742,
136.5945, 453.1927

 0.0000, 0.0000,
1.3121


 0.0000, 0.0000,
0.0717


 17.9515, 7.4029,
84.4872


 17.9515, 7.4029,
84.4872

 17.9524, 7.4034,
84.4875

 19.5917, 8.7395,
84.6590

 22.0528, 11.1106,
84.9870

 25.4945, 14.7894,
85.5157

 30.0208, 19.9432,
86.2719

■ 35.7213, 26.7136,
87.2783

■ 42.6756, 35.2251,
88.5546

■ 50.9559, 45.5898,
90.1188

■ 60.6290, 57.9104,
91.9871

■ 71.7568, 72.2818,
94.1745

Harmonies

Analogous

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



8.8548, 7.4029, 124.0343



17.9515, 7.4029, 84.4872



26.4581, 7.4029, 31.2661

Triad

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



17.9515, 7.4029, 84.4872



13.0453, 7.4029, 0.0000



0.3925, 7.4029, 13.8972

Complementary

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



17.9515, 7.4029, 84.4872



50.8052, 73.3267, 11.4757

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.



0.5969, 7.4029, 0.5888



17.9515, 7.4029, 84.4872



5.4855, 7.4029, 0.0000

Square

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



17.9515, 7.4029, 84.4872



22.5977, 7.4029, 0.0000



1.7895, 7.4029, 0.0000



1.0159, 7.4029, 56.7017

Rectangle

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



17.9515, 7.4029, 84.4872



28.8046, 7.4029, 9.6598



1.7895, 7.4029, 0.0000



0.3680, 7.4029, 6.6482

Sweetspot

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



17.9524, 7.4034, 84.4875



57.3028, 51.2370, 101.4773



32.6529, 39.6624, 89.9394



11.3823, 9.8560, 21.5524



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.



17.9524, 7.4034, 84.4875



20.1833, 8.3198, 95.1498



35.2007, 16.2952, 85.2947



15.2707, 15.4213, 19.8934



9.7497, 4.0315, 45.3922



0.8996, 0.3810, 3.7803

Inverse Universe

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



44.9572, 22.2130, 45.6269



50.6119, 25.0088, 51.2819



33.6461, 64.4808, 10.6727



16.2741, 15.9593, 18.9995



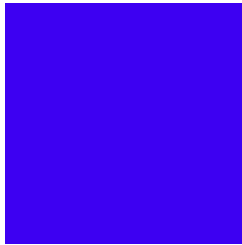
24.2091, 11.9561, 24.8156



2.0536, 1.0105, 2.2732

Previews

White Background



This preview shows how the XYZ color 17.9515, 7.4029, 84.4872 looks on a white background.

Color Contrast Check

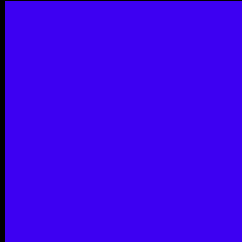
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9515, 7.4029, 84.4872 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 17.9515, 7.4029, 84.4872

Background



This preview shows how black text looks on a background with the XYZ color 17.9515, 7.4029, 84.4872.



This preview shows how white text looks on a background with the XYZ color 17.9515, 7.4029,

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

17.9515, 7.4029, 84.4872

Protanopia

8.6876, 7.5008, 33.3377

Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

17.9515, 7.4029, 84.4872

Protanomaly

10.5731, 5.9586, 48.7370

Tritanomaly

6.8854, 4.9783, 27.7921

Monochromacy



Original Color

17.9515, 7.4029, 84.4872

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

5.0155, 2.8669, 17.1186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9515, 7.4029, 84.4872 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(61, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(61, 0, 242)  
}
```

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(61, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 17.9515, 7.4029, 84.4872 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(61, 0, 242) }
```

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

```
.border{ border-color:rgb(61, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(61, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(61, 0, 242)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.9515, 7.4029, 84.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 0, 242) }
```

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

```
.background{ background-color: rgb(61, 0,  
242) }
```

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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