

Converting Colors

XYZ(17.5303, 7.1376, 86.6805)

Have a look what the booklet for
XYZ(17.5303, 7.1376, 86.6805)
contains.

| | |
|--|----|
| XYZ(17.5636, 7.1505, 86.8407) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(17.5636, 7.1505,
86.8407)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 2D00F5 |
| RGB | 45, 0, 245 |
| RGB Percent | 18%, 0%, 96% |
| CMY | 0.8235, 1.0000, 0.0392 |
| CMYK | 0.82, 1.00, 0.00, 0.04 |
| HSL | 251°, 100%, 48% |
| HSV | 251°, 100%, 96% |
| XYZ | 17.5636, 7.1505, 86.8407 |
| YIQ | 41.3850, -51.8250, 85.7350 |

Conversions

Conversions Part 2

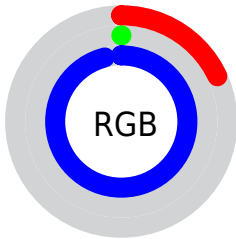
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 45, 0, 245 |
| Decimal | 2949365 |
| CIE Lab | 32.15, 77.26, -102.46 |
| CIE LCh | 32, 128.327, 307.018 |
| Yxy | 7.1505, 0.1574, 0.0641 |
| Android (android.graphics.Color) | 4281139445 (0xFF2D00F5) |
| YUV | 41.3850, 100.3822, 3.1704 |
| Hunter-Lab | 26.7404, 70.4464, -173.8286 |

Details

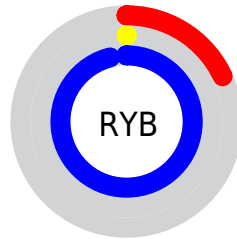
The XYZ color **17.5636, 7.1505, 86.8407** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **56.4672, 77.5820, 11.9987**, and the grayscale version is **2.0579, 2.1651, 2.3578**.

A 20% lighter version of the original color is **29.5733, 16.6006, 96.2533**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **17.5645, 7.1509, 86.8410**, and if you desaturate by 10%, it is **18.9996, 8.3911, 87.0048**.

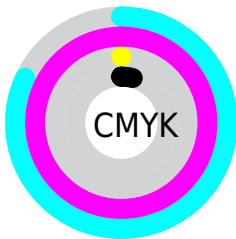
Distribution



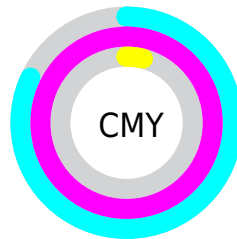
- Red (18%)
- Green (0%)
- Blue (96%)



- Red (18%)
- Yellow (0%)
- Blue (96%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)




- Cyan (82%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5636, 7.1505, 86.8407 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 17.5636, 7.1505, 86.8407 by changing the saturation by 10% instead.


 17.5636, 7.1505,
86.8407

 17.5636, 7.1505,
86.8407


231.4931,
168.9084, 538.0019


 10.7349, 3.5564,
64.8045


 38.8282, 20.2753,
144.8390


 5.9549, 1.4287,
46.8522

 53.9949, 30.5749,
181.6382


 2.8580, 0.2377,
32.5654


 72.6716, 43.8783,
224.1954

 1.0791, 0.0000,
21.5253

 95.2237, 60.5701,
272.9293

 0.0076, 0.0000,
13.3135

 122.0165, 81.0346,
328.2584

 0.0000, 0.0000,
7.5116


 153.4155,


 0.0000, 0.0000,

105.6563, 390.6011

3.7008


 189.7859,
134.8194, 460.3761

 0.0000, 0.0000,
1.4627

 0.0000, 0.0000,
0.1899


 17.5636, 7.1505,
86.8407


 17.5636, 7.1505,
86.8407

 17.5645, 7.1509,
86.8410

 18.9996, 8.3911,
87.0048

 21.3275, 10.7212,
87.3318

 24.7243, 14.4277,
87.8682

 29.3083, 19.6888,
88.6421

■ 35.1813, 26.6554,
89.6773

■ 42.4339, 35.4603,
90.9945

■ 51.1481, 46.2228,
92.6126

■ 61.3994, 59.0523,
94.5487

■ 73.2582, 74.0500,
96.8185

Harmonies

Analogous

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



8.4561, 7.1505, 126.7278



17.5636, 7.1505, 86.8407



26.2646, 7.1505, 32.1044

Triad

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



17.5636, 7.1505, 86.8407



13.0029, 7.1505, 0.0000



0.2734, 7.1505, 13.0832

Complementary

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



17.5636, 7.1505, 86.8407



56.4672, 77.5820, 11.9987

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.



0.4986, 7.1505, 0.3721



17.5636, 7.1505, 86.8407



5.3693, 7.1505, 0.0000

Square

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



17.5636, 7.1505, 86.8407



22.6508, 7.1505, 0.0000



1.6809, 7.1505, 0.0000



0.8819, 7.1505, 56.0350

Rectangle

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



17.5636, 7.1505, 86.8407



28.7621, 7.1505, 9.8191



1.6809, 7.1505, 0.0000



0.2542, 7.1505, 6.0544

Sweetspot

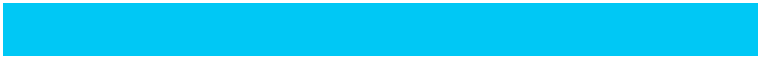
The Sweet Spot groups the original color and five complimentary colors.



17.5645, 7.1509, 86.8410



55.9495, 50.5394, 101.4140



37.1552, 47.9399, 93.6816



11.0704, 9.6952, 21.5378



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.



17.5645, 7.1509, 86.8410



19.2157, 7.8209, 95.1046



32.5061, 14.8536, 87.5403



15.8652, 16.0731, 20.8088



9.5453, 3.8951, 46.7868



0.9154, 0.3818, 4.1157

Inverse Universe

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



48.0796, 23.5818, 56.6503



52.6429, 25.8212, 61.9770



35.7604, 66.9072, 11.0296



17.0753, 16.7130, 20.1433



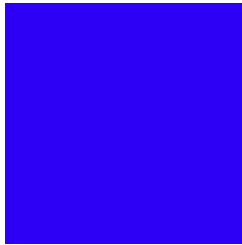
25.9492, 12.7231, 30.7704



2.3138, 1.1315, 2.8791

Previews

White Background



This preview shows how the XYZ color 17.5636, 7.1505, 86.8407 looks on a white background.

Color Contrast Check

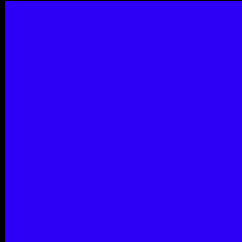
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5636, 7.1505, 86.8407 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 17.5636, 7.1505, 86.8407

Background



This preview shows how black text looks on a background with the XYZ color 17.5636, 7.1505, 86.8407.



This preview shows how white text looks on a background with the XYZ color 17.5636, 7.1505,

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

17.5636, 7.1505, 86.8407

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.8927, 7.2307, 22.5051



Tritanopia

5.0517, 7.2183, 10.5782

Trichromacy



Original Color

17.5636, 7.1505, 86.8407

Protanomaly

10.3073, 5.7740, 48.1482

Deuteranomaly

8.8007, 5.3699, 39.6024

Tritanomaly

6.7212, 4.8238, 27.7710

Monochromacy



Original Color

17.5636, 7.1505, 86.8407

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

4.4188, 2.4688, 16.4633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5636, 7.1505, 86.8407 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(45, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(45, 0, 245)  
}
```

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(45, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 17.5636, 7.1505, 86.8407 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(45, 0, 245) }
```


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

```
.border{ border-color:rgb(45, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(45, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(45, 0, 245)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5636, 7.1505, 86.8407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 0, 245) }
```

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

```
.background{ background-color: rgb(45, 0,  
245) }
```

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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