

Converting Colors

XYZ(17.7128, 7.2755, 84.6721)

Have a look what the booklet for
XYZ(17.7128, 7.2755, 84.6721)
contains.

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Color

**XYZ(17.6579, 7.2516,
84.4734)**

Conversions

Conversions Part 1

Format	Color
Hex	3800F2
RGB	56, 0, 242
RGB Percent	22%, 0%, 95%
CMY	0.7803, 1.0000, 0.0510
CMYK	0.77, 1.00, 0.00, 0.05
HSL	254°, 100%, 47%
HSV	254°, 100%, 95%
XYZ	17.6579, 7.2516, 84.4734
YIQ	44.3320, -44.3060, 87.1340

Conversions

Conversions Part 2

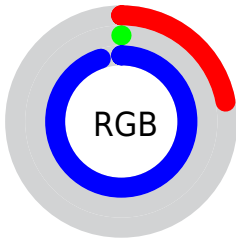
Format	Color
R _{YB}	56, 0, 242
Decimal	3670258
CIE Lab	32.37, 76.80, -100.37
CIE LCh	32, 126.382, 307.420
Yxy	7.2516, 0.1614, 0.0663
Android (android.graphics.Color)	4281860338 (0xFF3800F2)
YUV	44.3320, 97.4503, 10.2328
Hunter-Lab	26.9288, 69.9216, -167.1377

Details

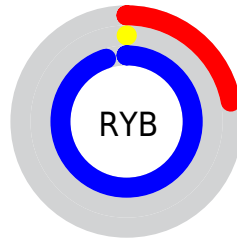
The XYZ color **17.6579, 7.2516, 84.4734** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **51.9985, 73.9418, 11.5316**, and the grayscale version is **2.3374, 2.4591, 2.6780**.

A 20% lighter version of the original color is **30.3590, 17.0056, 96.2901**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **17.6588, 7.2520, 84.4737**, and if you desaturate by 10%, it is **19.2293, 8.5527, 84.6420**.

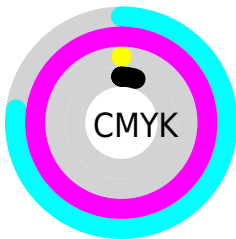
Distribution



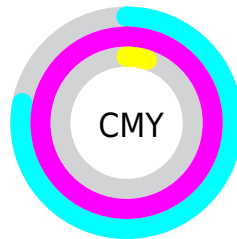
- Red (22%)
- Green (0%)
- Blue (95%)



- Red (22%)
- Yellow (0%)
- Blue (95%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (78%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6579, 7.2516, 84.4734 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 17.6579, 7.2516, 84.4734 by changing the saturation by 10% instead.

■ 17.6579, 7.2516,
84.4734

■ 17.6579, 7.2516,
84.4734

232.0187,
169.7382, 529.9830

■ 10.8029, 3.6199,
62.8587

■ 38.9882, 20.4776,
141.5048

■ 6.0007, 1.4633,
45.2867

■ 54.1942, 30.8407,
177.7586

■ 2.8862, 0.2627,
31.3387

■ 72.9145, 44.2165,
219.7292

■ 1.0939, 0.0000,
20.5963

■ 95.5145, 60.9892,
267.8352

■ 0.0200, 0.0000,
12.6408

■ 122.3596, 81.5434,
322.4950


■ 0.0000, 0.0000,
7.0539


■ 153.8151,


■ 0.0000, 0.0000,

106.2633, 384.1272

3.4169


 190.2463,
135.5335, 453.1504

 0.0000, 0.0000,
1.3112


 0.0000, 0.0000,
0.0710


 17.6579, 7.2516,
84.4734


 17.6579, 7.2516,
84.4734

 17.6588, 7.2520,
84.4737

 19.2293, 8.5527,
84.6420

 21.6361, 10.8958,
84.9674

 25.0414, 14.5558,
85.4944

 29.5521, 19.7015,
86.2499

■ 35.2602, 26.4759,
87.2566

■ 42.2478, 35.0045,
88.5345

■ 50.5891, 45.4007,
90.1015

■ 60.3526, 57.7679,
91.9741

■ 71.6021, 72.2020,
94.1672

Harmonies

Analogous

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



8.6411, 7.2516, 123.7636



17.6579, 7.2516, 84.4734



26.1501, 7.2516, 31.2521

Triad

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



17.6579, 7.2516, 84.4734



12.9116, 7.2516, 0.0000



0.3470, 7.2516, 13.4979

Complementary

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



17.6579, 7.2516, 84.4734



51.9985, 73.9418, 11.5316

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.



0.5577, 7.2516, 0.5096



17.6579, 7.2516, 84.4734



5.3972, 7.2516, 0.0000

Square

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



17.6579, 7.2516, 84.4734



22.4069, 7.2516, 0.0000



1.7372, 7.2516, 0.0000



0.9614, 7.2516, 55.9561

Rectangle

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



17.6579, 7.2516, 84.4734



28.5246, 7.2516, 9.6239



1.7372, 7.2516, 0.0000



0.3243, 7.2516, 6.3880

Sweetspot

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



17.6588, 7.2520, 84.4737



56.8889, 51.0237, 101.4579



34.3469, 43.0504, 90.5040



11.2867, 9.8067, 21.5480



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.



17.6588, 7.2520, 84.4737



19.8550, 8.1505, 95.1345



33.3567, 15.3446, 85.2084



15.2396, 15.4052, 19.8919



9.5851, 3.9467, 45.3845



0.8820, 0.3720, 3.7795

Inverse Universe

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



45.4795, 22.4219, 48.3773



51.2011, 25.2445, 54.3846



34.1759, 64.7539, 10.6975



16.2886, 15.9652, 19.0761



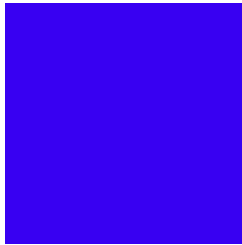
24.4869, 12.0672, 26.2781



2.0746, 1.0189, 2.3839

Previews

White Background



This preview shows how the XYZ color 17.6579, 7.2516, 84.4734 looks on a white background.

Color Contrast Check

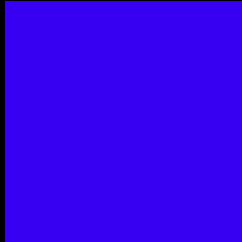
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6579, 7.2516, 84.4734 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 17.6579, 7.2516, 84.4734

Background



This preview shows how black text looks on a background with the XYZ color 17.6579, 7.2516, 84.4734.



This preview shows how white text looks on a background with the XYZ color 17.6579, 7.2516,

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

17.6579, 7.2516, 84.4734

Protanopia

8.5168, 7.4325, 32.4382

Deuteranopia

7.1023, 7.4308, 23.2503



Tritanopia

5.1733, 7.3938, 10.8273

Trichromacy



Original Color

17.6579, 7.2516, 84.4734

Protanomaly

10.3151, 5.8505, 47.5993

Deuteranomaly

9.0151, 5.5335, 40.1281

Tritanomaly

6.7655, 4.9254, 27.3822

Monochromacy



Original Color

17.6579, 7.2516, 84.4734

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.7866, 2.7198, 16.7957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6579, 7.2516, 84.4734 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(56, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(56, 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(56, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 17.6579, 7.2516, 84.4734 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(56, 0, 242) }
```


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

```
.border{ border-color:rgb(56, 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(56, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(56, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6579, 7.2516, 84.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 0, 242) }
```

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

```
.background{ background-color: rgb(56, 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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