

Converting Colors

XYZ(16.7420, 6.9890, 74.9619)

Have a look what the booklet for
XYZ(16.7420, 6.9890, 74.9619)
contains.

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Color

**XYZ(16.8087, 7.0153,
75.3311)**

Conversions

Conversions Part 1

Format	Color
Hex	4600E6
RGB	70, 0, 230
RGB Percent	27%, 0%, 90%
CMY	0.7255, 1.0000, 0.0980
CMYK	0.70, 1.00, 0.00, 0.10
HSL	258°, 100%, 45%
HSV	258°, 100%, 90%
XYZ	16.8087, 7.0153, 75.3311
YIQ	47.1500, -32.1100, 86.3700

Conversions

Conversions Part 2

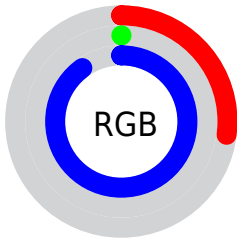
Format	Color
R _{YB}	70, 0, 230
Decimal	4587750
CIE Lab	31.84, 74.44, -94.40
CIE LCh	32, 120.221, 308.256
Yxy	7.0153, 0.1695, 0.0708
Android (android.graphics.Color)	4282777830 (0xFF4600E6)
YUV	47.1500, 90.1450, 20.0394
Hunter-Lab	26.4864, 66.9277, -150.0887

Details

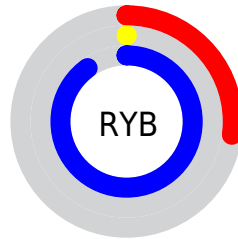
The XYZ color **16.8087, 7.0153, 75.3311** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **42.7923, 64.0665, 10.1107**, and the grayscale version is **2.6284, 2.7653, 3.0114**.

A 20% lighter version of the original color is **31.3519, 17.5174, 96.3365**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **16.8095, 7.0156, 75.3314**, and if you desaturate by 10%, it is **18.4279, 8.3048, 75.4949**.

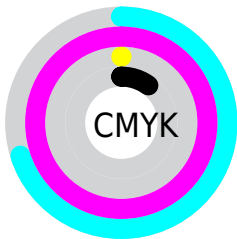
Distribution



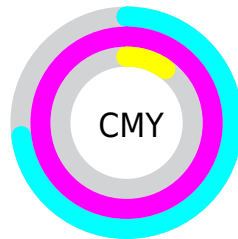
- Red (27%)
- Green (0%)
- Blue (90%)



- Red (27%)
- Yellow (0%)
- Blue (90%)



- Cyan (70%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)



- Cyan (73%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8087, 7.0153, 75.3311 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 16.8087, 7.0153, 75.3311 by changing the saturation by 10% instead.

■ 16.8087, 7.0153,
75.3311

■ 16.8087, 7.0153,
75.3311

227.2453,
167.7908, 498.3406

■ 10.1926, 3.4717,
55.3808

■ 37.5428, 20.0040,
128.5323

■ 5.5901, 1.3827,
39.3060

■ 52.3915, 30.2178,
162.6204

■ 2.6358, 0.2039,
26.6882

■ 70.7152, 43.4239,
202.2581

■ 0.9642, 0.0000,
17.1088

■ 92.8792, 60.0065,
247.8640

■ 0.0000, 0.0000,
10.1494

■ 119.2489, 80.3501,
299.8567

■ 0.0000, 0.0000,
5.3912


■ 150.1896,


■ 0.0000, 0.0000,


104.8391, 358.6546


2.4158


 186.0666,
133.8578, 424.6764


 0.0000, 0.0000,
0.7951


 0.0000, 0.0000,
0.0000


 16.8087, 7.0153,
75.3311


 16.8087, 7.0153,
75.3311

 16.8095, 7.0156,
75.3314

 18.4279, 8.3048,
75.4949

 20.7403, 10.4924,
75.7953

 23.8832, 13.8215,
76.2722

 27.9426, 18.4363,
76.9490

■ 32.9923, 24.4592,
77.8454

■ 39.0982, 31.9976,
78.9787

■ 46.3200, 41.1485,
80.3643

■ 54.7128, 52.0004,
82.0166

■ 64.3278, 64.6353,
83.9486

Harmonies

Analogous

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



8.4865, 7.0153, 111.2859



16.8087, 7.0153, 75.3311



24.4244, 7.0153, 27.8941

Triad

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



16.8087, 7.0153, 75.3311



11.9883, 7.0153, 0.0000



0.4461, 7.0153, 13.5082

Complementary

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



16.8087, 7.0153, 75.3311



42.7923, 64.0665, 10.1107

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.



0.6245, 7.0153, 0.7245



16.8087, 7.0153, 75.3311



5.1295, 7.0153, 0.0000

Square

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



16.8087, 7.0153, 75.3311



20.6573, 7.0153, 0.0000



1.7400, 7.0153, 0.0000



1.0629, 7.0153, 52.5939

Rectangle

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



16.8087, 7.0153, 75.3311



26.4361, 7.0153, 8.7006



1.7400, 7.0153, 0.0000



0.4170, 7.0153, 6.6665

Sweetspot

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



16.8095, 7.0156, 75.3314



58.3692, 51.7868, 101.5272



27.0279, 31.2030, 79.4615



11.6296, 9.9834, 21.5640



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.



16.8095, 7.0156, 75.3314



21.1608, 8.8237, 95.1956



34.0502, 15.9036, 76.1382



13.9933, 14.0988, 18.1281



9.6255, 4.0280, 42.6533



0.8032, 0.3450, 3.1562

Inverse Universe

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



38.9776, 19.3608, 34.9362



49.2138, 24.4495, 43.9197



29.4236, 57.1747, 9.4850



14.7985, 14.5366, 17.1391



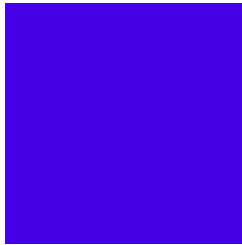
22.1237, 10.9837, 20.0781



1.6757, 0.8280, 1.6989

Previews

White Background



This preview shows how the XYZ color 16.8087, 7.0153, 75.3311 looks on a white background.

Color Contrast Check

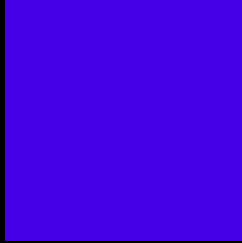
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8087, 7.0153, 75.3311 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 16.8087, 7.0153, 75.3311

Background



This preview shows how black text looks on a background with the XYZ color 16.8087, 7.0153, 75.3311.



This preview shows how white text looks on a background with the XYZ color 16.8087, 7.0153,

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

16.8087, 7.0153, 75.3311

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.8927, 7.2307, 22.5051



Tritanopia

5.0940, 7.2352, 10.8009

Trichromacy



Original Color

16.8087, 7.0153, 75.3311

Protanomaly

9.8609, 5.6171, 44.8205

Deuteranomaly

8.5166, 5.2779, 37.1291

Tritanomaly

6.5278, 4.7681, 25.7756

Monochromacy



Original Color

16.8087, 7.0153, 75.3311

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

5.0771, 2.9557, 16.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8087, 7.0153, 75.3311 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(70, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 230)  
}
```

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(70, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 16.8087, 7.0153, 75.3311 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(70, 0, 230) }
```


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

```
.border{ border-color:rgb(70, 0, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 0, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8087, 7.0153, 75.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 230) }
```

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

```
.background{ background-color: rgb(70, 0,  
230) }
```

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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