

Converting Colors

XYZ(16.8644, 7.0521, 74.9676)

Have a look what the booklet for
XYZ(16.8644, 7.0521, 74.9676)
contains.

XYZ(16.9554, 7.0909, 75.3379)	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(16.9554, 7.0909,
75.3379)**

Conversions

Conversions Part 1

Format	Color
Hex	4800E6
RGB	72, 0, 230
RGB Percent	28%, 0%, 90%
CMY	0.7176, 1.0000, 0.0980
CMYK	0.69, 1.00, 0.00, 0.10
HSL	259°, 100%, 45%
HSV	259°, 100%, 90%
XYZ	16.9554, 7.0909, 75.3379
YIQ	47.7480, -30.9180, 86.7940

Conversions

Conversions Part 2

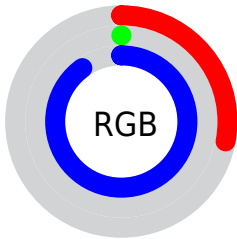
Format	Color
R_{YB}	72, 0, 230
Decimal	4718822
CIE _{Lab}	32.01, 74.51, -94.11
CIE _{LCh}	32, 120.040, 308.370
Yxy	7.0909, 0.1706, 0.0713
Android (android.graphics.Color)	4282908902 (0xFF4800E6)
YUV	47.7480, 89.8502, 21.2690
Hunter-Lab	26.6287, 67.0565, -149.1028

Details

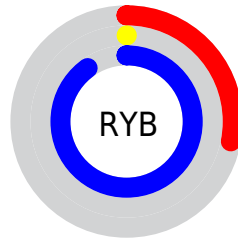
The XYZ color **16.9554, 7.0909, 75.3379** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **42.3956, 63.8620, 10.0921**, and the grayscale version is **2.6916, 2.8318, 3.0838**.

A 20% lighter version of the original color is **31.6951, 17.6944, 96.3526**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **16.9562, 7.0913, 75.3382**, and if you desaturate by 10%, it is **18.5958, 8.3914, 75.5027**.

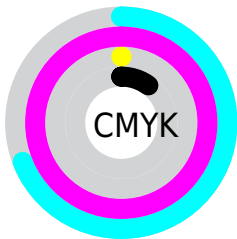
Distribution



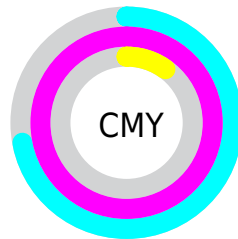
- Red (28%)
- Green (0%)
- Blue (90%)



- Red (28%)
- Yellow (0%)
- Blue (90%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)



- Cyan (72%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9554, 7.0909, 75.3379 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 16.9554, 7.0909, 75.3379 by changing the saturation by 10% instead.

■ 16.9554, 7.0909,
75.3379

■ 16.9554, 7.0909,
75.3379

228.0765,
168.4169, 498.3645

■ 10.2978, 3.5190,
55.3864

■ 37.7933, 20.1558,
128.5421

■ 5.6606, 1.4083,
39.3104

■ 52.7043, 30.4177,
162.6317

■ 2.6785, 0.2228,
26.6916

■ 71.0971, 43.6783,
202.2712

■ 0.9861, 0.0000,
17.1114

■ 93.3372, 60.3221,
247.8791

■ 0.0000, 0.0000,
10.1511

■ 119.7898, 80.7335,
299.8738

■ 0.0000, 0.0000,
5.3924


■ 150.8203,

■ 0.0000, 0.0000,

105.2968, 358.6739

2.4165


 186.7941,
134.3965, 424.6980

 0.0000, 0.0000,
0.7954


 0.0000, 0.0000,
0.0000


 16.9554, 7.0909,
75.3379


 16.9554, 7.0909,
75.3379

 16.9562, 7.0913,
75.3382

 18.5958, 8.3914,
75.5027

 20.9235, 10.5868,
75.8038

 24.0748, 13.9202,
76.2811

 28.1350, 18.5355,
76.9580

■ 33.1771, 24.5545,
77.8540

■ 39.2665, 32.0844,
78.9865

■ 46.4620, 41.2217,
80.3709

■ 54.8184, 52.0548,
82.0215

■ 64.3862, 64.6654,
83.9513

Harmonies

Analogous

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



8.5951, 7.0909, 111.4221



16.9554, 7.0909, 75.3379



24.5766, 7.0909, 27.8982

Triad

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



16.9554, 7.0909, 75.3379



12.0528, 7.0909, 0.0000



0.4693, 7.0909, 13.7148

Complementary

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



16.9554, 7.0909, 75.3379



42.3956, 63.8620, 10.0921

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.



0.6444, 7.0909, 0.7653



16.9554, 7.0909, 75.3379



5.1726, 7.0909, 0.0000

Square

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



16.9554, 7.0909, 75.3379



20.7498, 7.0909, 0.0000



1.7663, 7.0909, 0.0000



1.0925, 7.0909, 52.9681

Rectangle

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



16.9554, 7.0909, 75.3379



26.5736, 7.0909, 8.7160



1.7663, 7.0909, 0.0000



0.4393, 7.0909, 6.8044

Sweetspot

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



16.9562, 7.0913, 75.3382



58.5494, 51.8797, 101.5356



27.0279, 31.2030, 79.4614



11.6714, 10.0050, 21.5660



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.



16.9562, 7.0913, 75.3382



21.3445, 8.9184, 95.2042



34.0502, 15.9036, 76.1382



14.0053, 14.1050, 18.1287



9.7107, 4.0719, 42.6573



0.8107, 0.3489, 3.1566

Inverse Universe

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



38.8040, 19.2913, 34.0220



48.9939, 24.3616, 42.7616



29.4236, 57.1746, 9.4850



14.7930, 14.5344, 17.1101



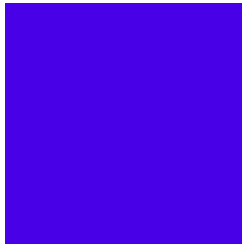
22.0261, 10.9447, 19.5642



1.6691, 0.8254, 1.6640

Previews

White Background



This preview shows how the XYZ color 16.9554, 7.0909, 75.3379 looks on a white background.

Color Contrast Check

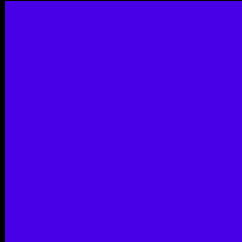
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9554, 7.0909, 75.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

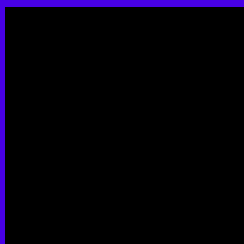
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9554, 7.0909, 75.3379

Background



This preview shows how black text looks on a background with the XYZ color 16.9554, 7.0909, 75.3379.



This preview shows how white text looks on a background with the XYZ color 16.9554, 7.0909,

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

16.9554, 7.0909, 75.3379

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.9608, 7.2579, 22.8638



Tritanopia

5.0940, 7.2352, 10.8009

Trichromacy



Original Color

16.9554, 7.0909, 75.3379

Protanomaly

9.8860, 5.6300, 44.8216

Deuteranomaly

8.6345, 5.3280, 37.6191

Tritanomaly

6.5529, 4.7810, 25.7768

Monochromacy



Original Color

16.9554, 7.0909, 75.3379

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

5.2146, 3.0647, 16.2363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9554, 7.0909, 75.3379 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(72, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 16.9554, 7.0909, 75.3379 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(72, 0, 230) }
```


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

```
.border{ border-color:rgb(72, 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(72, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(72, 0, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9554, 7.0909, 75.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 0, 230) }
```

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

```
.background{ background-color: rgb(72, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor