

Converting Colors

XYZ(16.8168, 7.6579, 73.2198)

Have a look what the booklet for
XYZ(16.8168, 7.6579, 73.2198)
contains.

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Color

**XYZ(16.8556, 7.6695,
73.2650)**

Conversions

Conversions Part 1

Format	Color
Hex	471BE3
RGB	71, 27, 227
RGB Percent	28%, 11%, 89%
CMY	0.7215, 0.8941, 0.1098
CMYK	0.69, 0.88, 0.00, 0.11
HSL	253°, 79%, 50%
HSV	253°, 88%, 89%
XYZ	16.8556, 7.6695, 73.2650
YIQ	62.9560, -37.9760, 71.5280

Conversions

Conversions Part 2

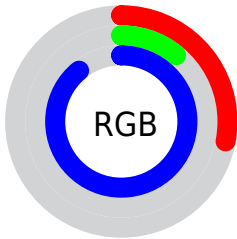
Format	Color
R _Y B	71, 27, 227
Decimal	4660195
CIE Lab	33.28, 68.48, -90.28
CIE LCh	33, 113.315, 307.180
Yxy	7.6695, 0.1724, 0.0784
Android (android.graphics.Color)	4282850275 (0xFF471BE3)
YUV	62.9560, 80.8737, 7.0546
Hunter-Lab	27.6939, 60.1780, -137.4679

Details

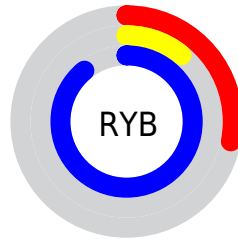
The XYZ color **16.8556, 7.6695, 73.2650** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **47.1914, 65.0827, 11.1114**, and the grayscale version is **4.6075, 4.8475, 5.2789**.

A 20% lighter version of the original color is **32.1278, 19.0692, 96.5952**, and **7.2557, 2.9023, 38.2080** is the 20% darker color. If you saturate the color by 10%, you get **15.3961, 6.4045, 73.0980**, and if you desaturate by 10%, it is **19.0851, 9.9108, 73.5804**.

Distribution



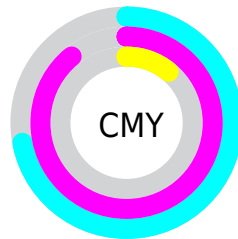
- Red (28%)
- Green (11%)
- Blue (89%)



- Red (28%)
- Yellow (11%)
- Blue (89%)



- Cyan (69%)
- Magenta (88%)
- Yellow (0%)
- Black (11%)



- Cyan (72%)
- Magenta (89%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8556, 7.6695, 73.2650 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 16.8556, 7.6695, 73.2650 by changing the saturation by 10% instead.

■ 16.8556, 7.6695,
73.2650

■ 16.8556, 7.6695,
73.2650

■ 227.5114,
173.1163, 491.0281

■ 10.2263, 3.8842,
53.6995

■ 37.6229, 21.3079,
125.5777

■ 5.6126, 1.6090,
37.9700

■ 52.4916, 31.9299,
159.1621

■ 2.6494, 0.3637,
25.6577

■ 70.8374, 45.5995,
198.2565

■ 0.9712, 0.0000,
16.3443

■ 93.0258, 62.7011,
243.2795

■ 0.0000, 0.0000,
9.6111

■ 119.4220, 83.6192,
294.6496

■ 0.0000, 0.0000,
5.0397

■ 150.3914,

■ 0.0000, 0.0000,

108.7382, 352.7854

2.2114

186.2994,
138.4424, 418.1054

0.0000, 0.0000,
0.6809

0.0000, 0.0000,
0.0000

16.8556, 7.6695,
73.2650

16.8556, 7.6695,
73.2650

15.3961, 6.4045,
73.0980

19.0851, 9.9108,
73.5804

15.1785, 6.2231,
73.0745

22.2018, 13.3217,
74.0745

26.2957, 18.0415,
74.7697

31.4449, 24.1897,
75.6851

■ 37.7192, 31.8720,
76.8372

■ 45.1819, 41.1839,
78.2412

■ 53.8917, 52.2130,
79.9110

■ 63.9034, 65.0406,
81.8593

■ 75.2683, 79.7429,
84.0982

Harmonies

Analogous

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



8.8469, 7.6695, 104.6924



16.8556, 7.6695, 73.2650



24.1944, 7.6695, 29.1645

Triad

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



16.8556, 7.6695, 73.2650



12.8144, 7.6695, 0.0000



0.7578, 7.6695, 13.2607

Complementary

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



16.8556, 7.6695, 73.2650



47.1914, 65.0827, 11.1114

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.



0.9576, 7.6695, 0.9396



16.8556, 7.6695, 73.2650



5.9267, 7.6695, 0.0000

Square

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



16.8556, 7.6695, 73.2650



21.0932, 7.6695, 0.0000



2.2684, 7.6695, 0.0000



1.3859, 7.6695, 49.1801

Rectangle

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



16.8556, 7.6695, 73.2650



26.2502, 7.6695, 10.1048



2.2684, 7.6695, 0.0000



0.7395, 7.6695, 6.8125

Sweetspot

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



16.8562, 7.6696, 73.2653



60.8911, 56.2237, 102.2507



31.3880, 39.9211, 78.7245



12.2462, 11.0442, 21.7363



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.



16.8562, 7.6696, 73.2653



19.6876, 8.0642, 95.1266



30.9063, 14.9127, 73.9228



13.8779, 14.0393, 18.1227



8.9337, 3.6714, 42.6210



0.7385, 0.3117, 3.1532

Inverse Universe

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



40.6159, 20.5327, 46.6131



51.5349, 25.3780, 56.1423



31.2929, 56.8867, 10.3674



14.8522, 14.5581, 17.4221



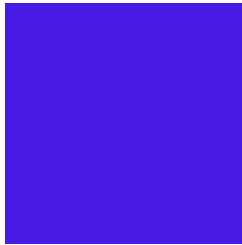
23.1511, 11.3946, 25.4882



1.7444, 0.8555, 2.0608

Previews

White Background



This preview shows how the XYZ color 16.8556, 7.6695, 73.2650 looks on a white background.

Color Contrast Check

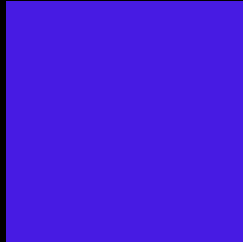
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8556, 7.6695, 73.2650 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 16.8556, 7.6695, 73.2650

Background



This preview shows how black text looks on a background with the XYZ color 16.8556, 7.6695, 73.2650.



This preview shows how white text looks on a background with the XYZ color 16.8556, 7.6695,

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

16.8556, 7.6695, 73.2650

Protanopia

8.7560, 7.6375, 33.3604

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.3400, 7.5891, 11.3086

Trichromacy



Original Color

16.8556, 7.6695, 73.2650

Protanomaly

10.4863, 6.6646, 45.5335

Deuteranomaly

9.1626, 6.3843, 37.7951

Tritanomaly

7.1240, 5.9233, 25.9671

Monochromacy



Original Color

16.8556, 7.6695, 73.2650

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.9625, 4.8695, 19.3118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8556, 7.6695, 73.2650 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(71, 27, 227)` looks like.

```
.text, #text, p{  
    color:rgb(71, 27, 227)  
}
```

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(71, 27, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 27, 227) }
```

Border

The CSS property to change the border of an element to XYZ 16.8556, 7.6695, 73.2650 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(71, 27, 227) }
```


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

```
.border{ border-color:rgb(71, 27, 227) }
```

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

Here you see how a box with a 4 pixel rgb(71, 27, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 27, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 27, 227);  
box-shadow:4px 4px 4px 4px rgb(71, 27,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8556, 7.6695, 73.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 27, 227) }
```

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

```
.background{ background-color: rgb(71, 27,  
227) }
```

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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