

Converting Colors

XYZ(16.4956, 6.9797, 70.2904)

Have a look what the booklet for
XYZ(16.4956, 6.9797, 70.2904)
contains.

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Color

**XYZ(16.4720, 6.9691,
70.2890)**

Conversions

Conversions Part 1

Format	Color
Hex	4E01DF
RGB	78, 1, 223
RGB Percent	31%, 0%, 87%
CMY	0.6941, 0.9961, 0.1255
CMYK	0.65, 1.00, 0.00, 0.13
HSL	261°, 99%, 44%
HSV	261°, 100%, 87%
XYZ	16.4720, 6.9691, 70.2890
YIQ	49.3310, -25.3700, 85.3660

Conversions

Conversions Part 2

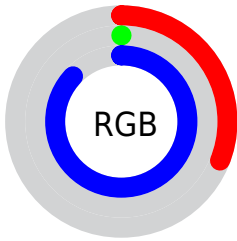
Format	Color
RYB	78, 1, 223
Decimal	5112287
CIELab	31.74, 73.01, -90.55
CIElCh	32, 116.312, 308.878
Yxy	6.9691, 0.1757, 0.0744
Android (android.graphics.Color)	4283302367 (0xFF4E01DF)
YUV	49.3310, 85.6188, 25.1427
Hunter-Lab	26.3991, 65.1788, -139.3837

Details

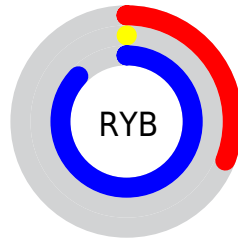
The XYZ color **16.4720, 6.9691, 70.2890** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **38.2432, 58.8866, 9.3789**, and the grayscale version is **2.8656, 3.0148, 3.2831**.

A 20% lighter version of the original color is **32.2214, 17.9657, 96.3772**, and **6.8829, 2.7532, 36.2450** is the 20% darker color. If you saturate the color by 10%, you get **16.4094, 6.9207, 70.2832**, and if you desaturate by 10%, it is **18.1024, 8.2568, 70.4519**.

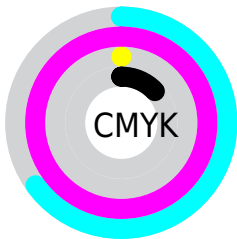
Distribution



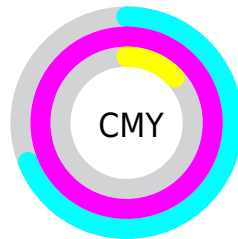
- Red (31%)
- Green (0%)
- Blue (87%)



- Red (31%)
- Yellow (0%)
- Blue (87%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (69%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4720, 6.9691, 70.2890 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 16.4720, 6.9691, 70.2890 by changing the saturation by 10% instead.

■ 16.4720, 6.9691,
70.2890

■ 16.4720, 6.9691,
70.2890

225.3271,
167.4067, 480.3806

■ 9.9517, 3.4428,
51.2839

■ 36.9666, 19.9110,
121.3058

■ 5.4290, 1.3670,
36.0563

■ 51.6716, 30.0954,
154.1545

■ 2.5384, 0.1922,
24.1877

■ 69.8355, 43.2680,
192.4550

■ 0.9147, 0.0000,
15.2594

■ 91.8238, 59.8130,
236.6256

■ 0.0000, 0.0000,
8.8530

■ 118.0017, 80.1151,
287.0849


■ 0.0000, 0.0000,
4.5499


■ 148.7347,


■ 0.0000, 0.0000,


104.5584, 344.2515

1.9316


 184.3880,
133.5275, 408.5439

 0.0000, 0.0000,
0.5127


 0.0000, 0.0000,
0.0000


 16.4720, 6.9691,
70.2890


 16.4720, 6.9691,
70.2890

 16.4094, 6.9207,
70.2832

 18.1024, 8.2568,
70.4519

 20.3599, 10.3837,
70.7434

 23.3630, 13.5638,
71.1990

 27.1872, 17.9276,
71.8397

■ 31.8975, 23.5862,
72.6837

■ 37.5516, 30.6371,
73.7466

■ 44.2023, 39.1683,
75.0428

■ 51.8978, 49.2606,
76.5852

■ 60.6834, 60.9885,
78.3858

Harmonies

Analogous

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



8.5132, 6.9691, 104.4098



16.4720, 6.9691, 70.2890



23.5987, 6.9691, 26.0868

Triad

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



16.4720, 6.9691, 70.2890



11.5523, 6.9691, 0.0000



0.5340, 6.9691, 13.7148

Complementary

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



16.4720, 6.9691, 70.2890



38.2432, 58.8866, 9.3789

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.



0.6908, 6.9691, 0.8952



16.4720, 6.9691, 70.2890



5.0371, 6.9691, 0.0000

Square

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



16.4720, 6.9691, 70.2890



19.7814, 6.9691, 0.0000



1.7790, 6.9691, 0.0000



1.1629, 6.9691, 50.9874

Rectangle

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



16.4720, 6.9691, 70.2890



25.3980, 6.9691, 8.2356



1.7790, 6.9691, 0.0000



0.5006, 6.9691, 6.9755

Sweetspot

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



16.4726, 6.9692, 70.2892



59.2579, 52.2449, 101.5688



24.0784, 26.8275, 73.7214



11.8364, 10.0901, 21.5737



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.



16.4726, 6.9692, 70.2892



22.1188, 9.3175, 95.2404



33.5792, 15.7880, 71.0898



13.3983, 13.4733, 17.2821



9.7586, 4.1260, 41.3304



0.7706, 0.3345, 2.8692

Inverse Universe

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



35.6288, 17.7840, 28.7398



48.1720, 24.0328, 38.4335



27.1920, 53.1895, 8.8617



14.0825, 13.8506, 16.2045



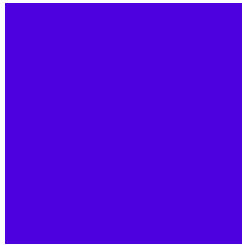
20.9824, 10.4600, 17.1051



1.4961, 0.7417, 1.4054

Previews

White Background



This preview shows how the XYZ color 16.4720, 6.9691, 70.2890 looks on a white background.

Color Contrast Check

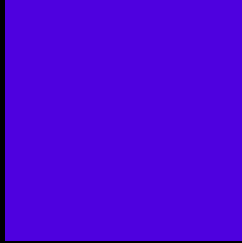
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4720, 6.9691, 70.2890 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 16.4720, 6.9691, 70.2890

Background



This preview shows how black text looks on a background with the XYZ color 16.4720, 6.9691, 70.2890.



This preview shows how white text looks on a background with the XYZ color 16.4720, 6.9691, 70.2890.

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

16.4720, 6.9691, 70.2890

Protanopia

8.2815, 7.2307, 31.5310

Deuteranopia

6.8927, 7.2307, 22.5051



Tritanopia

5.0940, 7.2352, 10.8009

Trichromacy



Original Color

16.4720, 6.9691, 70.2890

Protanomaly

9.6321, 5.5346, 43.2084

Deuteranomaly

8.3636, 5.2949, 35.7032

Tritanomaly

6.3855, 4.7202, 24.6193

Monochromacy



Original Color

16.4720, 6.9691, 70.2890

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.3046, 3.1635, 15.6603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4720, 6.9691, 70.2890 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(78, 1, 223)` looks like.

```
.text, #text, p{  
    color:rgb(78, 1, 223)  
}
```

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(78, 1, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 1, 223) }
```

Border

The CSS property to change the border of an element to XYZ 16.4720, 6.9691, 70.2890 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(78, 1, 223) }
```


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

```
.border{ border-color:rgb(78, 1, 223) }
```

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

Here you see how a box with a 4 pixel rgb(78, 1, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 1, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 1, 223);  
box-shadow:4px 4px 4px 4px rgb(78, 1, 223)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4720, 6.9691, 70.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 1, 223) }
```

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

```
.background{ background-color: rgb(78, 1,  
223) }
```

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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