

Converting Colors

XYZ(16.1493, 6.7675, 82.7952)

Have a look what the booklet for
XYZ(16.1493, 6.7675, 82.7952)
contains.

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Color

**XYZ(16.1676, 6.7714,
82.8930)**

Conversions

Conversions Part 1

Format	Color
Hex	130FF0
RGB	19, 15, 240
RGB Percent	7%, 6%, 94%
CMY	0.9253, 0.9412, 0.0588
CMYK	0.92, 0.94, 0.00, 0.06
HSL	241°, 88%, 50%
HSV	241°, 94%, 94%
XYZ	16.1676, 6.7714, 82.8930
YIQ	41.8460, -69.8410, 70.8230

Conversions

Conversions Part 2

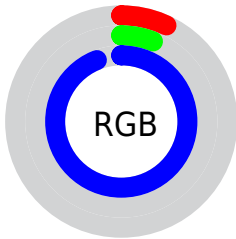
Format	Color
R_{YB}	19, 15, 240
Decimal	1249264
CIE _{Lab}	31.28, 73.24, -101.10
CIE _{LCh}	31, 124.844, 305.921
Yxy	6.7714, 0.1528, 0.0640
Android (android.graphics.Color)	4279439344 (0xFF130FF0)
YUV	41.8460, 97.6899, -20.0359
Hunter-Lab	26.0219, 65.3650, -170.6534

Details

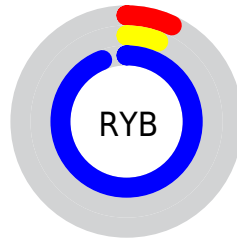
The XYZ color **16.1676, 6.7714, 82.8930** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **65.8187, 80.1776, 12.4581**, and the grayscale version is **2.1034, 2.2129, 2.4099**.

A 20% lighter version of the original color is **28.3118, 16.2452, 96.2512**, and **8.4435, 3.3774, 44.4628** is the 20% darker color. If you saturate the color by 10%, you get **15.7824, 6.3192, 82.8263**, and if you desaturate by 10%, it is **17.4333, 8.2465, 83.1113**.

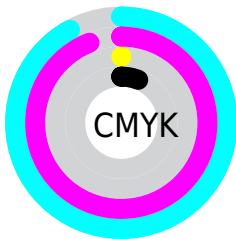
Distribution



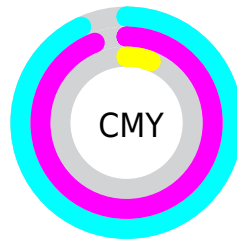
- Red (7%)
- Green (6%)
- Blue (94%)



- Red (7%)
- Yellow (6%)
- Blue (94%)



- Cyan (92%)
- Magenta (94%)
- Yellow (0%)
- Black (6%)



- Cyan (93%)
- Magenta (94%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1676, 6.7714, 82.8930 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 16.1676, 6.7714, 82.8930 by changing the saturation by 10% instead.

■ 16.1676, 6.7714,
82.8930

■ 16.1676, 6.7714,
82.8930

223.5797,
165.7505, 524.5915

■ 9.7344, 3.3195,
61.5618

■ 36.4440, 19.5118,
139.2735

■ 5.2841, 1.3008,
44.2452

■ 51.0180, 29.5692,
175.1598

■ 2.4514, 0.1418,
30.5247

■ 69.0363, 42.5972,
216.7350

■ 0.8708, 0.0000,
19.9818

■ 90.8642, 58.9802,
264.4175

■ 0.0000, 0.0000,
12.1979

■ 116.8671, 79.1027,
318.6258


■ 0.0000, 0.0000,
6.7544


■ 147.4105,

■ 0.0000, 0.0000,


103.3489, 379.7786


3.2329


 182.8595,
132.1034, 448.2943


 0.0000, 0.0000,
1.2147


 0.0000, 0.0000,
0.0000


 16.1676, 6.7714,
82.8930


 16.1676, 6.7714,
82.8930

 15.7824, 6.3192,
82.8263

 17.4333, 8.2465,
83.1113

 19.7636, 11.0090,
83.5217

 23.3268, 15.2660,
84.1556

 28.2612, 21.1882,
85.0386

■ 34.6867, 28.9230,
86.1929

■ 42.7102, 38.6018,
87.6382

■ 52.4288, 50.3437,
89.3924

■ 63.9318, 64.2585,
91.4720

■ 77.3023, 80.4478,
93.8921

Harmonies

Analogous

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



7.7348, 6.7714, 118.4536



16.1676, 6.7714, 82.8930



24.4002, 6.7714, 31.6279

Triad

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



16.1676, 6.7714, 82.8930



12.5684, 6.7714, 0.0000



0.2601, 6.7714, 11.4483

Complementary

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



16.1676, 6.7714, 82.8930



65.8187, 80.1776, 12.4581

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.



0.5090, 6.7714, 0.2095



16.1676, 6.7714, 82.8930



5.2914, 6.7714, 0.0000

Square

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



16.1676, 6.7714, 82.8930



21.5523, 6.7714, 0.0000



1.6920, 6.7714, 0.0000



0.8234, 6.7714, 50.4483

Rectangle

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



16.1676, 6.7714, 82.8930



26.9113, 6.7714, 10.0546



1.6920, 6.7714, 0.0000



0.2515, 6.7714, 5.2162

Sweetspot

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



16.1683, 6.7714, 82.8933



55.0881, 51.6354, 101.6709



45.9925, 66.5278, 92.8555



10.7856, 9.8375, 21.5803



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.



16.1683, 6.7714, 82.8933



18.1076, 7.2497, 95.0527



25.2965, 11.4772, 83.3205



14.9236, 15.2423, 19.8771



8.6513, 3.4653, 45.3408



0.7289, 0.2930, 3.7724

Inverse Universe

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



51.2376, 24.9192, 81.4211



58.5580, 28.1872, 93.1255



39.5213, 66.6208, 11.2274



16.4412, 16.0262, 19.8798



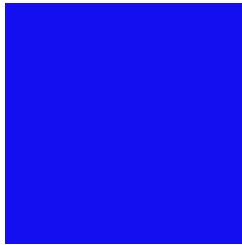
27.9390, 13.4480, 44.4569



2.3282, 1.1203, 3.7190

Previews

White Background



This preview shows how the XYZ color 16.1676, 6.7714, 82.8930 looks on a white background.

Color Contrast Check

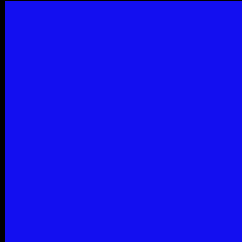
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1676, 6.7714, 82.8930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

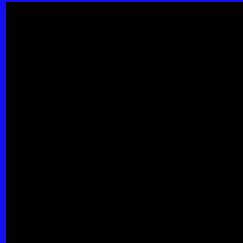
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1676, 6.7714, 82.8930

Background



This preview shows how black text looks on a background with the XYZ color 16.1676, 6.7714, 82.8930.



This preview shows how white text looks on a background with the XYZ color 16.1676, 6.7714,

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

16.1676, 6.7714, 82.8930

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.3503, 6.6752, 20.6924



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

16.1676, 6.7714, 82.8930

Protanomaly

9.7149, 5.7902, 44.8616

Deuteranomaly

8.3818, 5.4735, 37.1739

Tritanomaly

6.4832, 5.0243, 26.2193

Monochromacy



Original Color

16.1676, 6.7714, 82.8930

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

4.2135, 2.5880, 16.1970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1676, 6.7714, 82.8930 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(19, 15, 240)` looks like.

```
.text, #text, p{  
    color:rgb(19, 15, 240)  
}
```

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(19, 15, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 15, 240) }
```

Border

The CSS property to change the border of an element to XYZ 16.1676, 6.7714, 82.8930 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(19, 15, 240) }
```


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

```
.border{ border-color:rgb(19, 15, 240) }
```

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

Here you see how a box with a 4 pixel rgb(19, 15, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 15, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 15, 240);  
box-shadow:4px 4px 4px 4px rgb(19, 15,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1676, 6.7714, 82.8930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 15, 240) }
```

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

```
.background{ background-color: rgb(19, 15,  
240) }
```

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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