

Converting Colors

XYZ(16.1452, 6.6906, 79.1500)

Have a look what the booklet for
XYZ(16.1452, 6.6906, 79.1500)
contains.

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Color

**XYZ(16.1427, 6.6863,
79.0370)**

Conversions

Conversions Part 1

Format	Color
Hex	2D06EB
RGB	45, 6, 235
RGB Percent	18%, 2%, 92%
CMY	0.8235, 0.9765, 0.0784
CMYK	0.81, 0.97, 0.00, 0.08
HSL	250°, 95%, 47%
HSV	250°, 97%, 92%
XYZ	16.1427, 6.6863, 79.0370
YIQ	43.7670, -50.2650, 79.4870

Conversions

Conversions Part 2

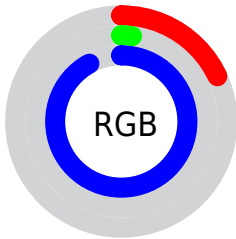
Format	Color
RYB	45, 6, 235
Decimal	2950891
CIELab	31.08, 73.96, -98.57
CIELCh	31, 123.228, 306.881
Yxy	6.6863, 0.1585, 0.0656
Android (android.graphics.Color)	4281140971 (0xFF2D06EB)
YUV	43.7670, 94.2779, 1.0813
Hunter-Lab	25.8579, 66.1837, -163.1248

Details

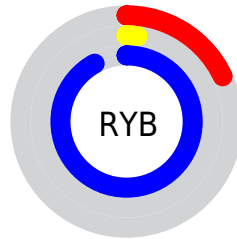
The XYZ color **16.1427, 6.6863, 79.0370** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **52.4967, 71.1608, 11.1403**, and the grayscale version is **2.2850, 2.4040, 2.6179**.

A 20% lighter version of the original color is **29.2695, 16.4439, 96.2391**, and **7.9358, 3.1743, 41.7894** is the 20% darker color. If you saturate the color by 10%, you get **15.8727, 6.4504, 79.0060**, and if you desaturate by 10%, it is **17.5945, 8.0079, 79.2159**.

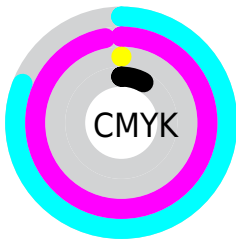
Distribution



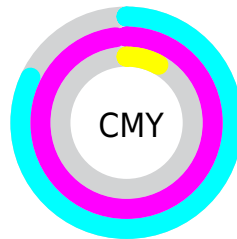
- Red (18%)
- Green (2%)
- Blue (92%)



- Red (18%)
- Yellow (2%)
- Blue (92%)



- Cyan (81%)
- Magenta (97%)
- Yellow (0%)
- Black (8%)



- Cyan (82%)
- Magenta (98%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1427, 6.6863, 79.0370 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 16.1427, 6.6863, 79.0370 by changing the saturation by 10% instead.

■ 16.1427, 6.6863,
79.0370

■ 16.1427, 6.6863,
79.0370

223.4362,
165.0310, 511.3024

■ 9.7167, 3.2667,
58.4047

■ 36.4012, 19.3393,
133.8101

■ 5.2723, 1.2725,
41.7173

■ 50.9644, 29.3415,
168.7880

■ 2.4443, 0.1198,
28.5561

■ 68.9707, 42.3066,
209.3848

■ 0.8673, 0.0000,
18.5026

■ 90.7855, 58.6192,
256.0192

■ 0.0000, 0.0000,
11.1382

■ 116.7740, 78.6635,
309.1096


■ 0.0000, 0.0000,
6.0445


■ 147.3018,

■ 0.0000, 0.0000,


102.8240, 369.0746

2.8030


 182.7340,
131.4850, 436.3327

 0.0000, 0.0000,
0.9949


 0.0000, 0.0000,
0.0000


 16.1427, 6.6863,
79.0370


 16.1427, 6.6863,
79.0370

 15.8727, 6.4504,
79.0060

 17.5945, 8.0079,
79.2159

 19.9244, 10.4278,
79.5601

 23.2643, 14.1469,
80.1020

 27.7185, 19.3195,
80.8656

■ 33.3778, 26.0779,
81.8719

■ 40.3233, 34.5394,
83.1390

■ 48.6290, 44.8100,
84.6837

■ 58.3631, 56.9871,
86.5211

■ 69.5894, 71.1610,
88.6652

Harmonies

Analogous

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



7.8455, 6.6863, 114.7275



16.1427, 6.6863, 79.0370



24.0551, 6.6863, 29.5992

Triad

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



16.1427, 6.6863, 79.0370



12.0705, 6.6863, 0.0000



0.2840, 6.6863, 12.0190

Complementary

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



16.1427, 6.6863, 79.0370



52.4967, 71.1608, 11.1403

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.



0.5039, 6.6863, 0.3639



16.1427, 6.6863, 79.0370



5.0665, 6.6863, 0.0000

Square

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



16.1427, 6.6863, 79.0370



20.8411, 6.6863, 0.0000



1.6316, 6.6863, 0.0000



0.8645, 6.6863, 50.8131

Rectangle

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



16.1427, 6.6863, 79.0370



26.3403, 6.6863, 9.2371



1.6316, 6.6863, 0.0000



0.2668, 6.6863, 5.6213

Sweetspot

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



16.1433, 6.6863, 79.0372



56.7437, 51.7118, 101.5984



34.9981, 45.8923, 85.6110



11.2106, 9.9107, 21.5720



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.



16.1433, 6.6863, 79.0372



19.0659, 7.7437, 95.0975



29.2912, 13.4643, 79.6526



14.4705, 14.6723, 18.9916



8.9065, 3.6274, 43.9737



0.7696, 0.3210, 3.4563

Inverse Universe

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



44.2856, 21.7759, 54.0719



53.0650, 25.9900, 64.1998



33.2488, 61.2382, 10.2395



15.5982, 15.2671, 18.4352



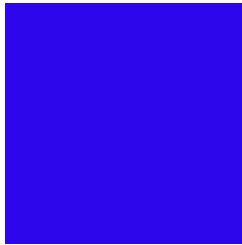
24.5881, 12.0379, 29.9619



1.9599, 0.9569, 2.5061

Previews

White Background



This preview shows how the XYZ color 16.1427, 6.6863, 79.0370 looks on a white background.

Color Contrast Check

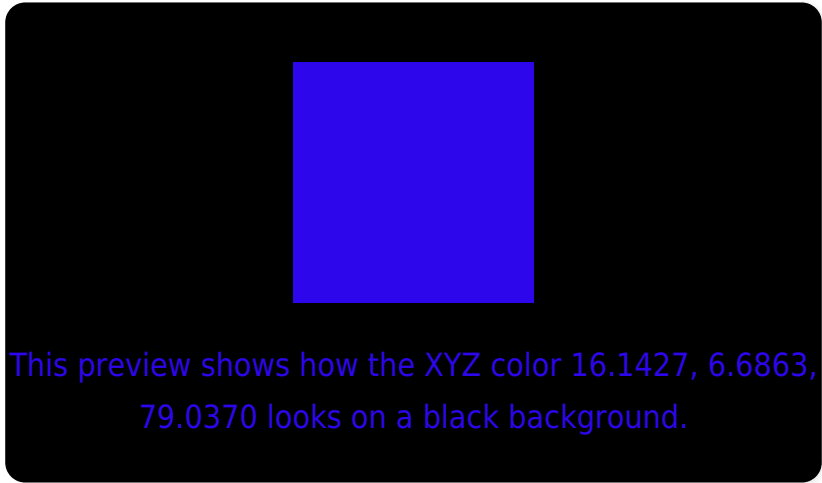
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

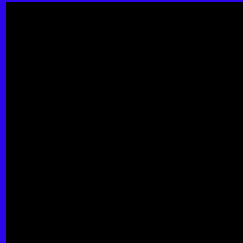
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1427, 6.6863, 79.0370

Background



This preview shows how black text looks on a background with the XYZ color 16.1427, 6.6863, 79.0370.



This preview shows how white text looks on a background with the XYZ color 16.1427, 6.6863,

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

16.1427, 6.6863, 79.0370

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.4152, 6.7012, 21.0340



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

16.1427, 6.6863, 79.0370

Protanomaly

9.4684, 5.4385, 43.7307

Deuteranomaly

8.2804, 5.2310, 36.6496

Tritanomaly

6.2665, 4.6419, 25.3766

Monochromacy



Original Color

16.1427, 6.6863, 79.0370

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.4836, 2.6563, 15.8992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1427, 6.6863, 79.0370 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(45, 6, 235)` looks like.

```
.text, #text, p{  
    color:rgb(45, 6, 235)  
}
```

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(45, 6, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 6, 235) }
```

Border

The CSS property to change the border of an element to XYZ 16.1427, 6.6863, 79.0370 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(45, 6, 235) }
```


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

```
.border{ border-color:rgb(45, 6, 235) }
```

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

Here you see how a box with a 4 pixel rgb(45, 6, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 6, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 6, 235);  
box-shadow:4px 4px 4px 4px rgb(45, 6, 235)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.1427, 6.6863, 79.0370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 6, 235) }
```

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

```
.background{ background-color: rgb(45, 6,  
235) }
```

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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