

Converting Colors

XYZ(16.2108, 7.1575, 76.4167)

Have a look what the booklet for
XYZ(16.2108, 7.1575, 76.4167)
contains.

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Color

**XYZ(16.1666, 7.1529,
76.1299)**

Conversions

Conversions Part 1

Format	Color
Hex	3418E7
RGB	52, 24, 231
RGB Percent	20%, 9%, 91%
CMY	0.7960, 0.9059, 0.0941
CMYK	0.77, 0.90, 0.00, 0.09
HSL	248°, 81%, 50%
HSV	248°, 90%, 91%
XYZ	16.1666, 7.1529, 76.1299
YIQ	55.9700, -49.7590, 70.3130

Conversions

Conversions Part 2

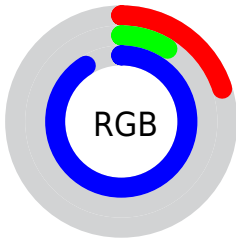
Format	Color
R _Y B	52, 24, 231
Decimal	3414247
CIE Lab	32.15, 69.48, -94.49
CIE LCh	32, 117.285, 306.327
Yxy	7.1529, 0.1626, 0.0719
Android (android.graphics.Color)	4281604327 (0xFF3418E7)
YUV	55.9700, 86.2898, -3.4817
Hunter-Lab	26.7449, 61.0950, -150.0487

Details

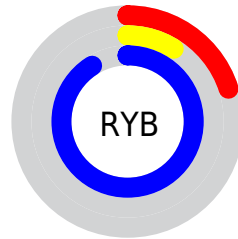
The XYZ color **16.1666, 7.1529, 76.1299** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **53.3638, 69.9116, 11.5455**, and the grayscale version is **3.6528, 3.8430, 4.1851**.

A 20% lighter version of the original color is **30.1246, 17.7031, 96.4371**, and **7.6400, 3.0560, 40.2316** is the 20% darker color. If you saturate the color by 10%, you get **15.0305, 6.0966, 75.9862**, and if you desaturate by 10%, it is **18.1156, 9.1872, 76.4201**.

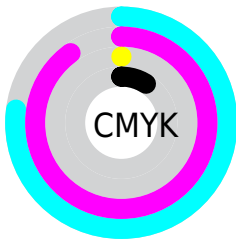
Distribution



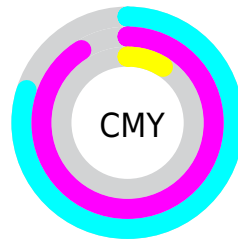
- Red (20%)
- Green (9%)
- Blue (91%)



- Red (20%)
- Yellow (9%)
- Blue (91%)



- Cyan (77%)
- Magenta (90%)
- Yellow (0%)
- Black (9%)



- Cyan (80%)
- Magenta (91%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1666, 7.1529, 76.1299 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 16.1666, 7.1529, 76.1299 by changing the saturation by 10% instead.

■ 16.1666, 7.1529,
76.1299

■ 16.1666, 7.1529,
76.1299

223.5739,
168.9282, 501.1509

■ 9.7337, 3.5579,
56.0317

■ 36.4423, 20.2801,
129.6723

■ 5.2837, 1.4295,
39.8242

■ 51.0158, 30.5812,
163.9536

■ 2.4511, 0.2383,
27.0888

■ 69.0336, 43.8864,
203.7997

■ 0.8707, 0.0000,
17.4069

■ 90.8610, 60.5801,
249.6291

■ 0.0000, 0.0000,
10.3600

■ 116.8634, 81.0467,
301.8604


■ 0.0000, 0.0000,
5.5296


■ 147.4061,

■ 0.0000, 0.0000,


105.6707, 360.9121


2.4971


 182.8545,
134.8364, 427.2028


 0.0000, 0.0000,
0.8386

 0.0000, 0.0000,
0.0000


 16.1666, 7.1529,
76.1299


 16.1666, 7.1529,
76.1299


 15.0305, 6.0966,
75.9862

 18.1156, 9.1872,
76.4201

 14.9971, 6.0650,
75.9818

 21.0357, 12.4473,
76.8955

 25.0375, 17.0901,
77.5807

 30.2157, 23.2491,
78.4966

■ 36.6544, 31.0416,
79.6613

■ 44.4298, 40.5736,
81.0914

■ 53.6123, 51.9419,
82.8017

■ 64.2670, 65.2361,
84.8062

■ 76.4552, 80.5403,
87.1178

Harmonies

Analogous

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



8.1494, 7.1529, 108.2181



16.1666, 7.1529, 76.1299



23.7592, 7.1529, 29.9806

Triad

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



16.1666, 7.1529, 76.1299



12.5557, 7.1529, 0.0000



0.5375, 7.1529, 12.0213

Complementary

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



16.1666, 7.1529, 76.1299



53.3638, 69.9116, 11.5455

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.



0.7610, 7.1529, 0.5833



16.1666, 7.1529, 76.1299



5.6060, 7.1529, 0.0000

Square

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



16.1666, 7.1529, 76.1299



20.9528, 7.1529, 0.0000



2.0016, 7.1529, 0.0000



1.0990, 7.1529, 48.2701

Rectangle

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



16.1666, 7.1529, 76.1299



26.0055, 7.1529, 10.1001



2.0016, 7.1529, 0.0000



0.5259, 7.1529, 5.8592

Sweetspot

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



16.1672, 7.1529, 76.1302



58.2678, 54.0658, 101.9724



36.2508, 48.8644, 83.1228



11.6833, 10.6001, 21.6802



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.



16.1672, 7.1529, 76.1302



18.7269, 7.5689, 95.0817



28.2866, 13.4007, 76.6973



13.7633, 13.9802, 18.1174



8.4667, 3.4307, 42.5991



0.6840, 0.2836, 3.1507

Inverse Universe

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



44.0587, 21.9528, 58.4022



54.2223, 26.4529, 70.2939



33.9848, 59.9213, 10.6385



14.9068, 14.5799, 17.7094



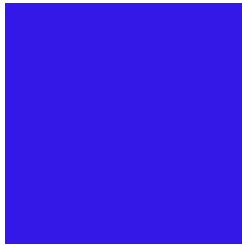
24.3360, 11.8686, 31.7278



1.8217, 0.8864, 2.4675

Previews

White Background



This preview shows how the XYZ color 16.1666, 7.1529, 76.1299 looks on a white background.

Color Contrast Check

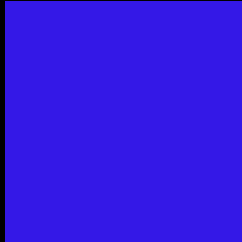
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1666, 7.1529, 76.1299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

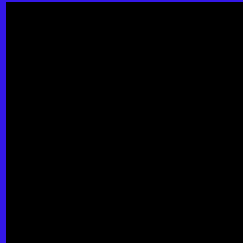
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1666, 7.1529, 76.1299

Background



This preview shows how black text looks on a background with the XYZ color 16.1666, 7.1529, 76.1299.



This preview shows how white text looks on a background with the XYZ color 16.1666, 7.1529,

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

16.1666, 7.1529, 76.1299

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

4.9318, 7.0452, 10.3325

Trichromacy



Original Color

16.1666, 7.1529, 76.1299

Protanomaly

9.9752, 6.2070, 44.3884

Deuteranomaly

8.7567, 5.9546, 37.2470

Tritanomaly

6.7248, 5.4771, 25.5137

Monochromacy



Original Color

16.1666, 7.1529, 76.1299

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.8664, 3.9697, 18.2263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1666, 7.1529, 76.1299 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(52, 24, 231)` looks like.

```
.text, #text, p{  
    color:rgb(52, 24, 231)  
}
```

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(52, 24, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 24, 231) }
```

Border

The CSS property to change the border of an element to XYZ 16.1666, 7.1529, 76.1299 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(52, 24, 231) }
```


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

```
.border{ border-color:rgb(52, 24, 231) }
```

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

Here you see how a box with a 4 pixel rgb(52, 24, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 24, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 24, 231);  
box-shadow:4px 4px 4px 4px rgb(52, 24,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1666, 7.1529, 76.1299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 24, 231) }
```

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

```
.background{ background-color: rgb(52, 24,  
231) }
```

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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