

Converting Colors

XYZ(15.8375, 7.1823, 80.7873)

Have a look what the booklet for
XYZ(15.8375, 7.1823, 80.7873)
contains.

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Color

**XYZ(15.8026, 7.1474,
80.6675)**

Conversions

Conversions Part 1

Format	Color
Hex	0020ED
RGB	0, 32, 237
RGB Percent	0%, 13%, 93%
CMY	0.9997, 0.8745, 0.0706
CMYK	1.00, 0.87, 0.00, 0.07
HSL	232°, 100%, 46%
HSV	232°, 100%, 93%
XYZ	15.8026, 7.1474, 80.6675
YIQ	45.8020, -84.8770, 56.9710

Conversions

Conversions Part 2

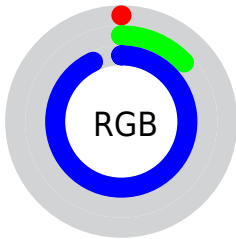
Format	Color
RYB	0, 28, 237
Decimal	8429
CIELab	32.14, 67.44, -97.97
CIELCh	32, 118.937, 304.541
Yxy	7.1474, 0.1525, 0.0690
Android (android.graphics.Color)	4278198509 (0xFF0020ED)
YUV	45.8020, 94.2606, -40.1684
Hunter-Lab	26.7346, 58.7242, -160.1840

Details

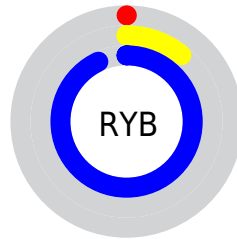
The XYZ color **15.8026, 7.1474, 80.6675** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **56.7759, 61.7055, 8.9199**, and the grayscale version is **2.4907, 2.6204, 2.8536**.

A 20% lighter version of the original color is **28.2906, 17.2055, 96.4377**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.8008, 7.1437, 80.6672**, and if you desaturate by 10%, it is **16.9077, 8.8064, 80.9298**.

Distribution



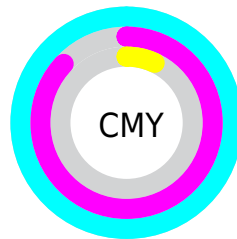
- Red (0%)
- Green (13%)
- Blue (93%)



- Red (0%)
- Yellow (11%)
- Blue (93%)



- Cyan (100%)
- Magenta (87%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (87%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8026, 7.1474, 80.6675 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 15.8026, 7.1474, 80.6675 by changing the saturation by 10% instead.

■ 15.8026, 7.1474,
80.6675

■ 15.8026, 7.1474,
80.6675

221.4674,
168.8829, 516.9455

■ 9.4745, 3.5545,
59.7384

■ 35.8154, 20.2691,
136.1237

■ 5.1116, 1.4276,
42.7839

■ 50.2308, 30.5667,
171.4878

■ 2.3483, 0.2369,
29.3854

■ 68.0728, 43.8679,
212.5007

■ 0.8192, 0.0000,
19.1245

■ 89.7066, 60.5572,
259.5809

■ 0.0000, 0.0000,
11.5826

■ 115.4976, 81.0190,
313.1469


■ 0.0000, 0.0000,
6.3410


■ 145.8111,

■ 0.0000, 0.0000,


105.6376, 373.6173

2.9814


 181.0127,
134.7974, 441.4107

 0.0000, 0.0000,
1.0852


 0.0000, 0.0000,
0.0000

 15.8026, 7.1474,
80.6675


 15.8026, 7.1474,
80.6675

 15.8008, 7.1437,
80.6672

 16.9077, 8.8064,
80.9298

 18.8630, 11.4957,
81.3458

 21.8565, 15.3792,
81.9376

 26.0113, 20.5791,
82.7223

■ 31.4328, 27.2018,
83.7149

■ 38.2145, 35.3426,
84.9288

■ 46.4408, 45.0885,
86.3764

■ 56.1893, 56.5199,
88.0690

■ 67.5320, 69.7118,
90.0175

Harmonies

Analogous

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



7.7608, 7.1474, 111.4572



15.8026, 7.1474, 80.6675



23.7408, 7.1474, 32.8414

Triad

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



15.8026, 7.1474, 80.6675



13.1539, 7.1474, 0.0000



0.4875, 7.1474, 10.7428

Complementary

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



15.8026, 7.1474, 80.6675



56.7759, 61.7055, 8.9199

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.



0.7604, 7.1474, 0.2997



15.8026, 7.1474, 80.6675



5.9099, 7.1474, 0.0000

Square

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



15.8026, 7.1474, 80.6675



21.6741, 7.1474, 0.0000



2.0893, 7.1474, 0.0000



0.9991, 7.1474, 46.3374

Rectangle

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



15.8026, 7.1474, 80.6675



26.3193, 7.1474, 11.4187



2.0893, 7.1474, 0.0000



0.4916, 7.1474, 5.0137

Sweetspot

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



15.8032, 7.1474, 80.6678



54.6811, 53.0563, 101.9666



40.8821, 64.8078, 65.8974



10.7804, 10.2654, 21.6632



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.



15.8032, 7.1474, 80.6678



18.6322, 8.3845, 95.2441



18.8537, 7.9547, 80.6628



14.3948, 14.8761, 19.0349



8.6804, 4.0078, 44.0590



0.7336, 0.4187, 3.4770

Inverse Universe

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



35.1865, 18.1103, 3.0069



41.5339, 21.3776, 3.4776



43.6253, 67.4461, 10.7211



15.1481, 15.0871, 16.0651



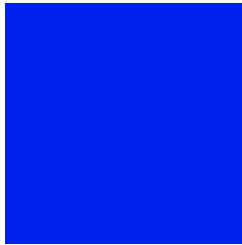
19.2368, 9.8974, 1.7822



1.5368, 0.7877, 0.2782

Previews

White Background



This preview shows how the XYZ color 15.8026, 7.1474, 80.6675 looks on a white background.

Color Contrast Check

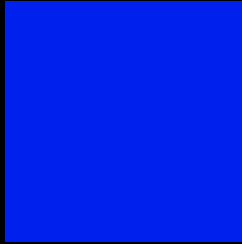
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8026, 7.1474, 80.6675 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 15.8026, 7.1474, 80.6675

Background



This preview shows how black text looks on a background with the XYZ color 15.8026, 7.1474, 80.6675.



This preview shows how white text looks on a background with the XYZ color 15.8026, 7.1474,

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

15.8026, 7.1474, 80.6675

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

4.9318, 7.0452, 10.3325

Trichromacy



Original Color

15.8026, 7.1474, 80.6675

Protanomaly

10.1648, 6.4868, 46.0637

Deuteranomaly

8.8302, 6.2021, 38.2678

Tritanomaly

6.7728, 5.7336, 26.3409

Monochromacy



Original Color

15.8026, 7.1474, 80.6675

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.3941, 3.0849, 16.5835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8026, 7.1474, 80.6675 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(0, 32, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 32, 237)  
}
```

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(0, 32, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 32, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.8026, 7.1474, 80.6675 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(0, 32, 237) }
```


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

```
.border{ border-color:rgb(0, 32, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 32, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 32, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 32, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 32, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8026, 7.1474, 80.6675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 32, 237) }
```

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

```
.background{ background-color: rgb(0, 32,  
237) }
```

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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