

Converting Colors

XYZ(15.5387, 6.5847, 80.6877)

Have a look what the booklet for
XYZ(15.5387, 6.5847, 80.6877)
contains.

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Color

**XYZ(15.5189, 6.5802,
80.5729)**

Conversions

Conversions Part 1

Format	Color
Hex	0013ED
RGB	0, 19, 237
RGB Percent	0%, 7%, 93%
CMY	0.9998, 0.9255, 0.0706
CMYK	1.00, 0.92, 0.00, 0.07
HSL	235°, 100%, 46%
HSV	235°, 100%, 93%
XYZ	15.5189, 6.5802, 80.5729
YIQ	38.1710, -81.3020, 63.7700

Conversions

Conversions Part 2

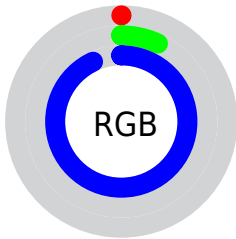
Format	Color
RYB	0, 18, 237
Decimal	5101
CIELab	30.83, 71.42, -100.16
CIElCh	31, 123.014, 305.493
Yxy	6.5802, 0.1512, 0.0641
Android (android.graphics.Color)	4278195181 (0xFF0013ED)
YUV	38.1710, 98.0227, -33.4760
Hunter-Lab	25.6519, 63.0982, -168.2742

Details

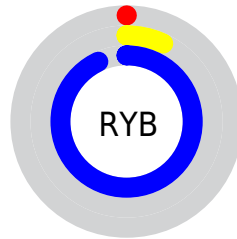
The XYZ color **15.5189, 6.5802, 80.5729** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **60.0156, 68.1848, 9.9996**, and the grayscale version is **1.7826, 1.8754, 2.0424**.

A 20% lighter version of the original color is **27.7047, 16.0337, 96.2424**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.5179, 6.5779, 80.5728**, and if you desaturate by 10%, it is **16.4430, 7.8774, 80.7749**.

Distribution



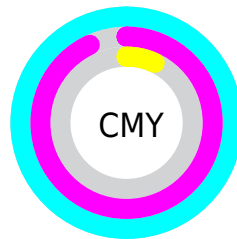
- Red (0%)
- Green (7%)
- Blue (93%)



- Red (0%)
- Yellow (7%)
- Blue (93%)



- Cyan (100%)
- Magenta (92%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (93%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5189, 6.5802, 80.5729 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 15.5189, 6.5802, 80.5729 by changing the saturation by 10% instead.

■ 15.5189, 6.5802,
80.5729

■ 15.5189, 6.5802,
80.5729

219.8125,
164.1285, 516.6190

■ 9.2730, 3.2010,
59.6610

■ 35.3252, 19.1236,
135.9896

■ 4.9782, 1.2375,
42.7219

■ 49.6163, 29.0565,
171.3314

■ 2.2691, 0.0920,
29.3372

■ 67.3199, 41.9428,
212.3202

■ 0.7788, 0.0000,
19.0883

■ 88.8014, 58.1668,
259.3747

■ 0.0000, 0.0000,
11.5566

■ 114.4260, 78.1130,
312.9132

■ 0.0000, 0.0000,
6.3237


■ 144.5591,

■ 0.0000, 0.0000,


102.1658, 373.3545


2.9709


 179.5662,
130.7095, 441.1169

 0.0000, 0.0000,
1.0798


 0.0000, 0.0000,
0.0000


 15.5189, 6.5802,
80.5729


 15.5189, 6.5802,
80.5729

 15.5179, 6.5779,
80.5728

 16.4430, 7.8774,
80.7749

 18.2352, 10.2408,
81.1366

 21.0985, 13.8643,
81.6851

 25.1671, 18.8923,
82.4412

■ 30.5556, 25.4494,
83.4228

■ 37.3651, 33.6463,
84.6460

■ 45.6868, 43.5835,
86.1255

■ 55.6043, 55.3535,
87.8747

■ 67.1951, 69.0421,
89.9059

Harmonies

Analogous

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



7.4139, 6.5802, 114.1818



15.5189, 6.5802, 80.5729



23.4937, 6.5802, 31.1407

Triad

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



15.5189, 6.5802, 80.5729



12.2972, 6.5802, 0.0000



0.2550, 6.5802, 10.7786

Complementary

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



15.5189, 6.5802, 80.5729



60.0156, 68.1848, 9.9996

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.



0.5117, 6.5802, 0.1490



15.5189, 6.5802, 80.5729



5.2224, 6.5802, 0.0000

Square

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



15.5189, 6.5802, 80.5729



20.9469, 6.5802, 0.0000



1.6875, 6.5802, 0.0000



0.7992, 6.5802, 47.9538

Rectangle

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



15.5189, 6.5802, 80.5729



25.9804, 6.5802, 10.0584



1.6875, 6.5802, 0.0000



0.2505, 6.5802, 4.8872

Sweetspot

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



15.5195, 6.5802, 80.5732



53.7928, 51.2798, 101.6705



42.8427, 65.5920, 76.2224



10.5780, 9.8604, 21.5957



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.



15.5195, 6.5802, 80.5732



18.3068, 7.7335, 95.1356



20.4089, 8.7563, 80.7355



14.3279, 14.7422, 19.0126



8.5090, 3.6649, 44.0019



0.7018, 0.3550, 3.4664

Inverse Universe

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



35.0433, 18.0529, 2.2531



41.3696, 21.3118, 2.6125



40.8114, 65.9955, 10.5891



15.1143, 15.0736, 15.8872



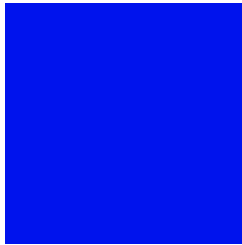
19.1502, 9.8628, 1.3265



1.5207, 0.7813, 0.1935

Previews

White Background



This preview shows how the XYZ color 15.5189, 6.5802, 80.5729 looks on a white background.

Color Contrast Check

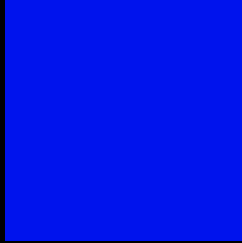
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5189, 6.5802, 80.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

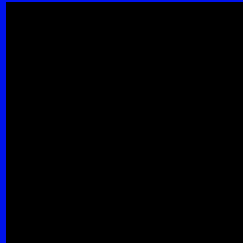
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5189, 6.5802, 80.5729

Background



This preview shows how black text looks on a background with the XYZ color 15.5189, 6.5802, 80.5729.



This preview shows how white text looks on a background with the XYZ color 15.5189, 6.5802,

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

15.5189, 6.5802, 80.5729

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.2177, 6.5128, 20.3314

Trichromacy



Original Color

15.5189, 6.5802, 80.5729

Protanomaly

9.4220, 5.6629, 43.7765

Deuteranomaly

8.2491, 5.4856, 36.7004

Monochromacy



Original Color

15.5189, 6.5802, 80.5729

Achromatopsia

1.8423, 1.9382, 2.1107

Achromatomaly

3.6811, 2.3000, 15.0018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5189, 6.5802, 80.5729 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, 19, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 19, 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, 19, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 19, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.5189, 6.5802, 80.5729 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, 19, 237) }
```

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

```
.border{ border-color:rgb(0, 19, 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, 19, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 19, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 19, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 19, 237)  
}
```


Background

The CSS property to change the background color of an element to XYZ 15.5189, 6.5802, 80.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 19, 237) }
```

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

```
.background{ background-color: rgb(0, 19,  
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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