

Converting Colors

XYZ(15.4684, 6.2059, 80.6183)

Have a look what the booklet for
XYZ(15.4684, 6.2059, 80.6183)
contains.

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Color

**XYZ(15.4520, 6.2000,
80.5031)**

Conversions

Conversions Part 1

Format	Color
Hex	0D00ED
RGB	13, 0, 237
RGB Percent	5%, 0%, 93%
CMY	0.9488, 1.0000, 0.0706
CMYK	0.94, 1.00, 0.00, 0.07
HSL	243°, 100%, 46%
HSV	243°, 100%, 93%
XYZ	15.4520, 6.2000, 80.5031
YIQ	30.9050, -68.3290, 76.4630

Conversions

Conversions Part 2

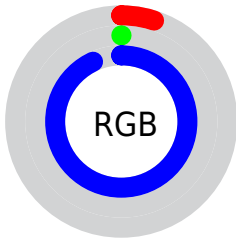
Format	Color
RYB	13, 0, 237
Decimal	852205
CIELab	29.91, 74.99, -101.69
CIElCh	30, 126.353, 306.408
Yxy	6.2000, 0.1513, 0.0607
Android (android.graphics.Color)	4279042285 (0xFF0D00ED)
YUV	30.9050, 101.6048, -15.7027
Hunter-Lab	24.8998, 67.1966, -174.2596

Details

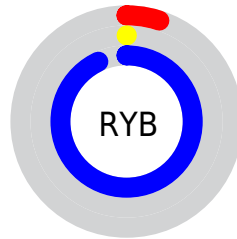
The XYZ color **15.4520, 6.2000, 80.5031** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **61.0094, 76.4080, 11.5327**, and the grayscale version is **1.2330, 1.2972, 1.4127**.

A 20% lighter version of the original color is **27.6493, 15.3278, 96.1090**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.4528, 6.2004, 80.5034**, and if you desaturate by 10%, it is **16.3149, 7.1206, 80.6356**.

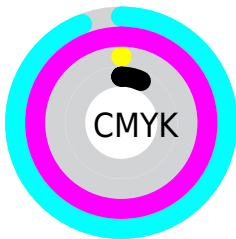
Distribution



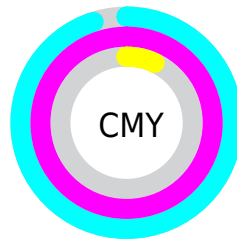
- Red (5%)
- Green (0%)
- Blue (93%)



- Red (5%)
- Yellow (0%)
- Blue (93%)



- Cyan (94%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (95%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4520, 6.2000, 80.5031 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 15.4520, 6.2000, 80.5031 by changing the saturation by 10% instead.

■ 15.4520, 6.2000,
80.5031

■ 15.4520, 6.2000,
80.5031

219.4205,
160.8404, 516.3781

■ 9.2256, 2.9671,
59.6038

■ 35.2094, 18.3447,
135.8906

■ 4.9469, 1.1146,
42.6762

■ 49.4711, 28.0252,
171.2160

■ 2.2506, 0.0000,
29.3016

■ 67.1419, 40.6238,
212.1871

■ 0.7692, 0.0000,
19.0616

■ 88.5872, 56.5248,
259.2225

■ 0.0000, 0.0000,
11.5375

■ 114.1724, 76.1125,
312.7408

■ 0.0000, 0.0000,
6.3109


■ 144.2627, 99.7714,

■ 0.0000, 0.0000,


373.1604


2.9632

 179.2237,
127.8859, 440.9000

 0.0000, 0.0000,
1.0759

 0.0000, 0.0000,
0.0000


 15.4520, 6.2000,
80.5031


 15.4520, 6.2000,
80.5031

 15.4528, 6.2004,
80.5034

 16.3149, 7.1206,
80.6356

 18.0543, 9.0744,
80.9210

 20.8739, 12.3494,
81.4046

 24.9115, 17.1247,
82.1135

■ 30.2848, 23.5513,
83.0708

■ 37.0971, 31.7621,
84.2965

■ 45.4419, 41.8761,
85.8089

■ 55.4047, 54.0024,
87.6244

■ 67.0646, 68.2416,
89.7583

Harmonies

Analogous

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



7.2446, 6.2000, 116.7775



15.4520, 6.2000, 80.5031



23.4702, 6.2000, 29.7142

Triad

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



15.4520, 6.2000, 80.5031



11.6632, 6.2000, 0.0000



0.0822, 6.2000, 11.0395

Complementary

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



15.4520, 6.2000, 80.5031



61.0094, 76.4080, 11.5327

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.



0.3207, 6.2000, 0.0701



15.4520, 6.2000, 80.5031



4.7208, 6.2000, 0.0000

Square

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



15.4520, 6.2000, 80.5031



20.4451, 6.2000, 0.0000



1.4115, 6.2000, 0.0000



0.6649, 6.2000, 49.8559

Rectangle

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



15.4520, 6.2000, 80.5031



25.8619, 6.2000, 8.9855



1.4115, 6.2000, 0.0000



0.0690, 6.2000, 4.9211

Sweetspot

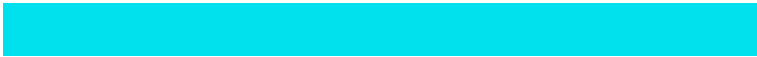
The Sweet Spot groups the original color and five complimentary colors.



15.4528, 6.2004, 80.5034



53.5302, 49.2922, 101.3007



42.2520, 60.0462, 89.4842



10.5182, 9.4105, 21.5120



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.



15.4528, 6.2004, 80.5034



18.2317, 7.3137, 95.0585



24.5459, 10.8880, 80.9290



14.3079, 14.5885, 18.9840



8.4704, 3.4026, 43.9533



0.6922, 0.2812, 3.4527

Inverse Universe

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



48.3730, 23.3837, 72.4496



57.1110, 27.6084, 85.5057



36.3057, 63.6728, 10.3766



15.6769, 15.2986, 18.8499



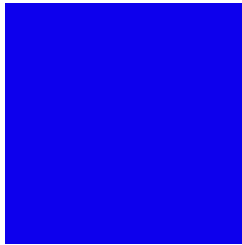
26.4262, 12.7732, 39.6411



2.0861, 1.0074, 3.1706

Previews

White Background



This preview shows how the XYZ color 15.4520, 6.2000, 80.5031 looks on a white background.

Color Contrast Check

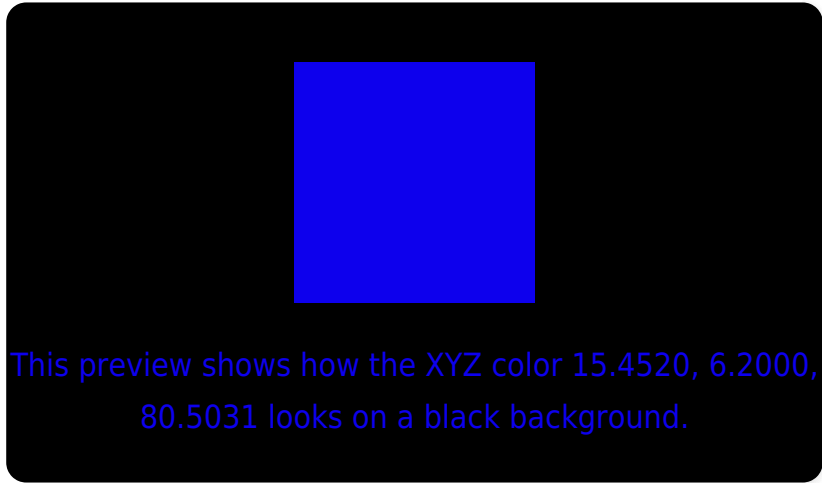
Large Text (above 18pt) WCAG AA ✓ Pass

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

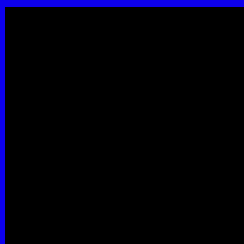
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4520, 6.2000, 80.5031

Background



This preview shows how black text looks on a background with the XYZ color 15.4520, 6.2000, 80.5031.



This preview shows how white text looks on a background with the XYZ color 15.4520, 6.2000,

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

15.4520, 6.2000, 80.5031

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.0239, 6.3276, 19.6427



Tritanopia

4.4300, 6.3619, 9.1781

Trichromacy



Original Color

15.4520, 6.2000, 80.5031

Protanomaly

8.9992, 5.0480, 42.6195

Deuteranomaly

7.7799, 4.7456, 35.6279

Tritanomaly

5.9066, 4.2640, 24.9378

Monochromacy



Original Color

15.4520, 6.2000, 80.5031

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

3.2284, 1.7351, 13.8004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4520, 6.2000, 80.5031 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(13, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(13, 0, 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(13, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.4520, 6.2000, 80.5031 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(13, 0, 237) }
```


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

```
.border{ border-color:rgb(13, 0, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 0, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(13, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4520, 6.2000, 80.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 0, 237) }
```

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

```
.background{ background-color: rgb(13, 0,  
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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