

Converting Colors

XYZ(15.3933, 6.1672, 80.6148)

Have a look what the booklet for
XYZ(15.3933, 6.1672, 80.6148)
contains.

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Color

**XYZ(15.3737, 6.1596,
80.4994)**

Conversions

Conversions Part 1

Format	Color
Hex	0700ED
RGB	7, 0, 237
RGB Percent	3%, 0%, 93%
CMY	0.9723, 1.0000, 0.0706
CMYK	0.97, 1.00, 0.00, 0.07
HSL	242°, 100%, 46%
HSV	242°, 100%, 93%
XYZ	15.3737, 6.1596, 80.4994
YIQ	29.1110, -71.9050, 75.1910

Conversions

Conversions Part 2

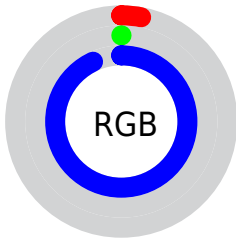
Format	Color
RYB	7, 0, 237
Decimal	458989
CIELab	29.81, 74.96, -101.86
CIElCh	30, 126.471, 306.351
Yxy	6.1596, 0.1507, 0.0604
Android (android.graphics.Color)	4278649069 (0xFF0700ED)
YUV	29.1110, 102.4893, -19.3913
Hunter-Lab	24.8185, 67.1383, -174.9352

Details

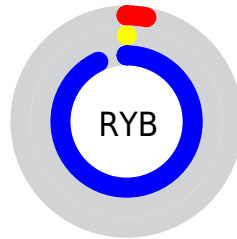
The XYZ color **15.3737, 6.1596, 80.4994** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **62.8963, 77.3807, 11.6210**, and the grayscale version is **1.1157, 1.1739, 1.2783**.

A 20% lighter version of the original color is **27.5142, 15.2582, 96.1027**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.3746, 6.1600, 80.4997**, and if you desaturate by 10%, it is **16.1438, 7.0323, 80.6276**.

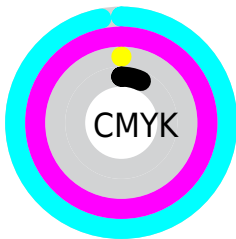
Distribution



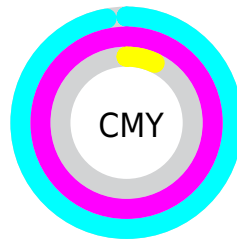
- Red (3%)
- Green (0%)
- Blue (93%)



- Red (3%)
- Yellow (0%)
- Blue (93%)



- Cyan (97%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (97%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3737, 6.1596, 80.4994 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 15.3737, 6.1596, 80.4994 by changing the saturation by 10% instead.

■ 15.3737, 6.1596,
80.4994

■ 15.3737, 6.1596,
80.4994

218.9609,
160.4858, 516.3653

■ 9.1701, 2.9424,
59.6008

■ 35.0737, 18.2614,
135.8854

■ 4.9103, 1.1017,
42.6738

■ 49.3009, 27.9147,
171.2098

■ 2.2289, 0.0000,
29.2997

■ 66.9333, 40.4822,
212.1800

■ 0.7579, 0.0000,
19.0602

■ 88.3362, 56.3482,
259.2144

■ 0.0000, 0.0000,
11.5365

■ 113.8751, 75.8972,
312.7316


■ 0.0000, 0.0000,
6.3102


■ 143.9153, 99.5136,


■ 0.0000, 0.0000,

373.1501

2.9628

 178.8221,
127.5816, 440.8885

 0.0000, 0.0000,
1.0757

 0.0000, 0.0000,
0.0000


 15.3737, 6.1596,
80.4994


 15.3737, 6.1596,
80.4994

 15.3746, 6.1600,
80.4997

 16.1438, 7.0323,
80.6276

 17.7897, 8.9379,
80.9086

 20.5299, 12.1721,
81.3884

 24.5103, 16.9178,
82.0947

■ 29.8544, 23.3294,
83.0506

■ 36.6707, 31.5422,
84.2766

■ 45.0569, 41.6777,
85.7909

■ 55.1024, 53.8466,
87.6103

■ 66.8896, 68.1514,
89.7501

Harmonies

Analogous

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



7.1891, 6.1596, 116.7074



15.3737, 6.1596, 80.4994



23.3866, 6.1596, 29.7073

Triad

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



15.3737, 6.1596, 80.4994



11.6255, 6.1596, 0.0000



0.0684, 6.1596, 10.9390

Complementary

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



15.3737, 6.1596, 80.4994



62.8963, 77.3807, 11.6210

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.



0.3088, 6.1596, 0.0467



15.3737, 6.1596, 80.4994



4.6962, 6.1596, 0.0000

Square

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



15.3737, 6.1596, 80.4994



20.3916, 6.1596, 0.0000



1.3978, 6.1596, 0.0000



0.6503, 6.1596, 49.6589

Rectangle

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



15.3737, 6.1596, 80.4994



25.7851, 6.1596, 8.9732



1.3978, 6.1596, 0.0000



0.0557, 6.1596, 4.8582

Sweetspot

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



15.3746, 6.1600, 80.4997



53.0748, 49.0574, 101.2794



44.4393, 64.4208, 90.2133



10.4152, 9.3574, 21.5072



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.



15.3746, 6.1600, 80.4997



18.1452, 7.2691, 95.0545



23.3761, 10.2850, 80.8742



14.2727, 14.5703, 18.9824



8.4132, 3.3731, 43.9506



0.6753, 0.2724, 3.4519

Inverse Universe

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



49.1989, 23.7141, 76.7988



58.0899, 28.0000, 90.6603



37.2955, 64.1830, 10.4229



15.6943, 15.3056, 18.9414



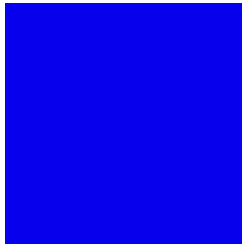
26.8699, 12.9506, 41.9776



2.1161, 1.0194, 3.3285

Previews

White Background



This preview shows how the XYZ color 15.3737, 6.1596, 80.4994 looks on a white background.

Color Contrast Check

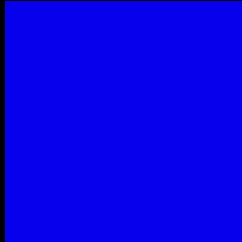
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3737, 6.1596, 80.4994 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 15.3737, 6.1596, 80.4994

Background



This preview shows how black text looks on a background with the XYZ color 15.3737, 6.1596, 80.4994.



This preview shows how white text looks on a background with the XYZ color 15.3737, 6.1596,

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

15.3737, 6.1596, 80.4994

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.0239, 6.3276, 19.6427



Tritanopia

4.4300, 6.3619, 9.1781

Trichromacy



Original Color

15.3737, 6.1596, 80.4994

Protanomaly

8.9741, 5.0351, 42.6184

Deuteranomaly

7.7549, 4.7327, 35.6267

Tritanomaly

5.8816, 4.2511, 24.9366

Monochromacy



Original Color

15.3737, 6.1596, 80.4994

Achromatopsia

1.1678, 1.2286, 1.3380

Achromatomaly

3.0754, 1.6120, 13.5137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3737, 6.1596, 80.4994 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(7, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(7, 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(7, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.3737, 6.1596, 80.4994 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(7, 0, 237) }
```


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

```
.border{ border-color:rgb(7, 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(7, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 0, 237); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 0, 237); box-shadow:4px  
4px 4px 4px rgb(7, 0, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3737, 6.1596, 80.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 0, 237) }
```

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

```
.background{ background-color: rgb(7, 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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