

Converting Colors

XYZ(15.6305, 6.9016, 80.3074)

Have a look what the booklet for
XYZ(15.6305, 6.9016, 80.3074)
contains.

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Color

**XYZ(15.7013, 6.9449,
80.6337)**

Conversions

Conversions Part 1

Format	Color
Hex	001CED
RGB	0, 28, 237
RGB Percent	0%, 11%, 93%
CMY	0.9997, 0.8902, 0.0706
CMYK	1.00, 0.88, 0.00, 0.07
HSL	233°, 100%, 46%
HSV	233°, 100%, 93%
XYZ	15.7013, 6.9449, 80.6337
YIQ	43.4540, -83.7770, 59.0630

Conversions

Conversions Part 2

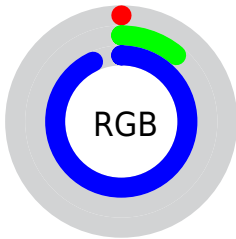
Format	Color
RYB	0, 25, 237
Decimal	7405
CIELab	31.68, 68.83, -98.74
CIELCh	32, 120.358, 304.879
Yxy	6.9449, 0.1520, 0.0672
Android (android.graphics.Color)	4278197485 (0xFF001CED)
YUV	43.4540, 95.4182, -38.1092
Hunter-Lab	26.3532, 60.2328, -162.9644

Details

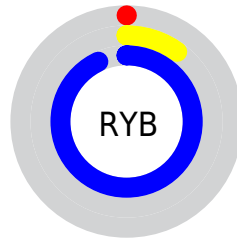
The XYZ color **15.7013, 6.9449, 80.6337** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **57.7445, 63.6427, 9.2427**, and the grayscale version is **2.2581, 2.3756, 2.5871**.

A 20% lighter version of the original color is **28.1375, 16.8994, 96.3866**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.6998, 6.9418, 80.6335**, and if you desaturate by 10%, it is **16.7512, 8.4938, 80.8776**.

Distribution



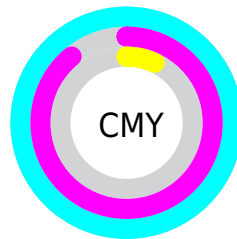
- Red (0%)
- Green (11%)
- Blue (93%)



- Red (0%)
- Yellow (10%)
- Blue (93%)



- Cyan (100%)
- Magenta (88%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (89%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7013, 6.9449, 80.6337 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 15.7013, 6.9449, 80.6337 by changing the saturation by 10% instead.

■ 15.7013, 6.9449,
80.6337

■ 15.7013, 6.9449,
80.6337

220.8779,
167.2051, 516.8289

■ 9.4025, 3.4277,
59.7107

■ 35.6405, 19.8623,
136.0758

■ 5.0639, 1.3589,
42.7617

■ 50.0117, 30.0312,
171.4319

■ 2.3199, 0.1861,
29.3682

■ 67.8044, 43.1862,
212.4362

■ 0.8048, 0.0000,
19.1116

■ 89.3839, 59.7115,
259.5072

■ 0.0000, 0.0000,
11.5733

■ 115.1157, 79.9917,
313.0634


■ 0.0000, 0.0000,
6.3348


■ 145.3650,


■ 0.0000, 0.0000,


104.4111, 373.5234


2.9777


 180.4973,
133.3541, 441.3057


 0.0000, 0.0000,
1.0832


 0.0000, 0.0000,
0.0000


 15.7013, 6.9449,
80.6337


 15.7013, 6.9449,
80.6337

 15.6998, 6.9418,
80.6335

 16.7512, 8.4938,
80.8776

 18.6578, 11.0857,
81.2774

 21.6131, 14.8930,
81.8565

 25.7434, 20.0441,
82.6331

■ 31.1568, 26.6506,
83.6230

■ 37.9488, 34.8124,
84.8404

■ 46.2060, 44.6203,
86.2983

■ 56.0076, 56.1582,
88.0087

■ 67.4273, 69.5043,
89.9829

Harmonies

Analogous

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



7.6372, 6.9449, 112.4003



15.7013, 6.9449, 80.6337



23.6523, 6.9449, 32.2408

Triad

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



15.7013, 6.9449, 80.6337



12.8496, 6.9449, 0.0000



0.4061, 6.9449, 10.7530

Complementary

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



15.7013, 6.9449, 80.6337



57.7445, 63.6427, 9.2427

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.



0.6733, 6.9449, 0.2466



15.7013, 6.9449, 80.6337



5.6629, 6.9449, 0.0000

Square

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



15.7013, 6.9449, 80.6337



21.4171, 6.9449, 0.0000



1.9422, 6.9449, 0.0000



0.9259, 6.9449, 46.8925

Rectangle

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



15.7013, 6.9449, 80.6337



26.1987, 6.9449, 10.9306



1.9422, 6.9449, 0.0000



0.4072, 6.9449, 4.9678

Sweetspot

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



15.7019, 6.9449, 80.6340



54.4051, 52.5043, 101.8746



41.3540, 64.9966, 68.3828



10.7174, 10.1393, 21.6422



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.



15.7019, 6.9449, 80.6340



18.5156, 8.1513, 95.2052



19.2118, 8.1393, 80.6795



14.3742, 14.8348, 19.0281



8.6200, 3.8871, 44.0389



0.7238, 0.3991, 3.4738

Inverse Universe

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



35.1354, 18.0898, 2.7378



41.4750, 21.3540, 3.1677



42.8852, 67.0645, 10.6863



15.1377, 15.0829, 16.0103



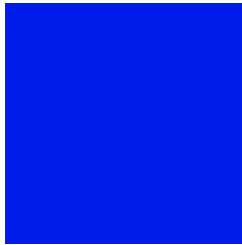
19.2063, 9.8852, 1.6218



1.5319, 0.7857, 0.2522

Previews

White Background



This preview shows how the XYZ color 15.7013, 6.9449, 80.6337 looks on a white background.

Color Contrast Check

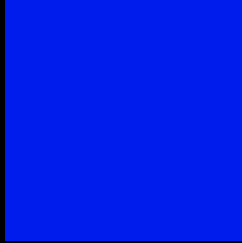
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7013, 6.9449, 80.6337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

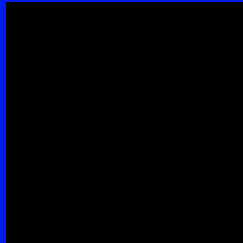
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7013, 6.9449, 80.6337

Background



This preview shows how black text looks on a background with the XYZ color 15.7013, 6.9449, 80.6337.



This preview shows how white text looks on a background with the XYZ color 15.7013, 6.9449,

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

15.7013, 6.9449, 80.6337

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

15.7013, 6.9449, 80.6337

Protanomaly

9.8577, 6.2057, 44.9342

Deuteranomaly

8.6318, 5.9551, 37.7403

Tritanomaly

6.6600, 5.5080, 26.3033

Monochromacy



Original Color

15.7013, 6.9449, 80.6337

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

4.1824, 2.8341, 16.2462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7013, 6.9449, 80.6337 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, 28, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 28, 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, 28, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 28, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.7013, 6.9449, 80.6337 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, 28, 237) }
```


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

```
.border{ border-color:rgb(0, 28, 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, 28, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 28, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 28, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 28, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7013, 6.9449, 80.6337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 28, 237) }
```

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

```
.background{ background-color: rgb(0, 28,  
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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