

Converting Colors

XYZ(15.5188, 6.2319, 80.6207)

Have a look what the booklet for
XYZ(15.5188, 6.2319, 80.6207)
contains.

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Color

**XYZ(15.4997, 6.2246,
80.5053)**

Conversions

Conversions Part 1

Format	Color
Hex	1000ED
RGB	16, 0, 237
RGB Percent	6%, 0%, 93%
CMY	0.9371, 1.0000, 0.0706
CMYK	0.93, 1.00, 0.00, 0.07
HSL	244°, 100%, 46%
HSV	244°, 100%, 93%
XYZ	15.4997, 6.2246, 80.5053
YIQ	31.8020, -66.5410, 77.0990

Conversions

Conversions Part 2

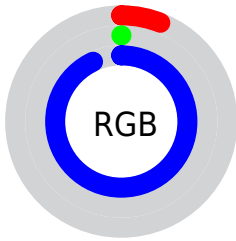
Format	Color
RYB	16, 0, 237
Decimal	1048813
CIELab	29.97, 75.01, -101.59
CIElCh	30, 126.281, 306.443
Yxy	6.2246, 0.1516, 0.0609
Android (android.graphics.Color)	4279238893 (0xFF1000ED)
YUV	31.8020, 101.1626, -13.8584
Hunter-Lab	24.9491, 67.2324, -173.8511

Details

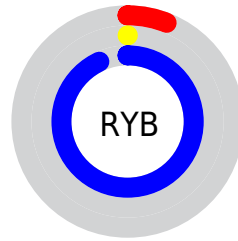
The XYZ color **15.4997, 6.2246, 80.5053** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **60.0901, 75.9341, 11.4897**, and the grayscale version is **1.2943, 1.3617, 1.4829**.

A 20% lighter version of the original color is **27.7859, 15.3982, 96.1154**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.5005, 6.2250, 80.5056**, and if you desaturate by 10%, it is **16.4110, 7.1701, 80.6401**.

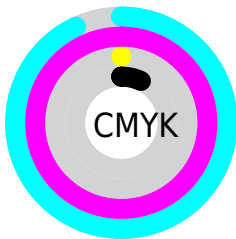
Distribution



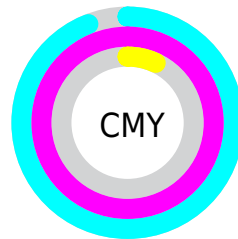
- Red (6%)
- Green (0%)
- Blue (93%)



- Red (6%)
- Yellow (0%)
- Blue (93%)



- Cyan (93%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4997, 6.2246, 80.5053 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 15.4997, 6.2246, 80.5053 by changing the saturation by 10% instead.

■ 15.4997, 6.2246,
80.5053

■ 15.4997, 6.2246,
80.5053

219.7001,
161.0558, 516.3857

■ 9.2594, 2.9821,
59.6056

■ 35.2920, 18.3954,
135.8937

■ 4.9692, 1.1224,
42.6776

■ 49.5746, 28.0925,
171.2196

■ 2.2638, 0.0000,
29.3027

■ 67.2689, 40.7099,
212.1913

■ 0.7760, 0.0000,
19.0624

■ 88.7399, 56.6320,
259.2273

■ 0.0000, 0.0000,
11.5381

■ 114.3532, 76.2433,
312.7462

■ 0.0000, 0.0000,
6.3113


■ 144.4741, 99.9281,


■ 0.0000, 0.0000,

373.1665

2.9634

 179.4680,
128.0708, 440.9069


 0.0000, 0.0000,
1.0760


 0.0000, 0.0000,
0.0000


 15.4997, 6.2246,
80.5053


 15.4997, 6.2246,
80.5053

 15.5005, 6.2250,
80.5056

 16.4110, 7.1701,
80.6401

 18.1964, 9.1476,
80.9276

 21.0542, 12.4423,
81.4130

 25.1188, 17.2315,
82.1231

■ 30.5049, 23.6648,
83.0810

■ 37.3137, 31.8737,
84.3066

■ 45.6364, 41.9764,
85.8180

■ 55.5567, 54.0808,
87.6315

■ 67.1523, 68.2868,
89.7624

Harmonies

Analogous

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



7.2784, 6.2246, 116.8203



15.4997, 6.2246, 80.5053



23.5210, 6.2246, 29.7182

Triad

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



15.4997, 6.2246, 80.5053



11.6862, 6.2246, 0.0000



0.0905, 6.2246, 11.1009

Complementary

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



15.4997, 6.2246, 80.5053



60.0901, 75.9341, 11.4897

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.



0.3279, 6.2246, 0.0843



15.4997, 6.2246, 80.5053



4.7357, 6.2246, 0.0000

Square

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



15.4997, 6.2246, 80.5053



20.4775, 6.2246, 0.0000



1.4199, 6.2246, 0.0000



0.6738, 6.2246, 49.9760

Rectangle

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



15.4997, 6.2246, 80.5053



25.9086, 6.2246, 8.9928



1.4199, 6.2246, 0.0000



0.0770, 6.2246, 4.9596

Sweetspot

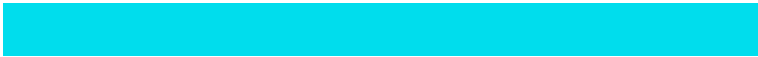
The Sweet Spot groups the original color and five complimentary colors.



15.5005, 6.2250, 80.5056



53.7603, 49.4108, 101.3115



41.1955, 57.9332, 89.1320



10.5704, 9.4374, 21.5144



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.



15.5005, 6.2250, 80.5056



18.2859, 7.3416, 95.0610



25.1656, 11.2075, 80.9579



14.3256, 14.5976, 18.9848



8.5008, 3.4183, 43.9547



0.7007, 0.2855, 3.4531

Inverse Universe

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



47.9707, 23.2228, 70.3310



56.6342, 27.4177, 82.9950



35.8435, 63.4344, 10.3549



15.6682, 15.2951, 18.8042



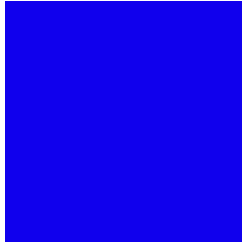
26.2099, 12.6867, 38.5024



2.0714, 1.0015, 3.0933

Previews

White Background



This preview shows how the XYZ color 15.4997, 6.2246, 80.5053 looks on a white background.

Color Contrast Check

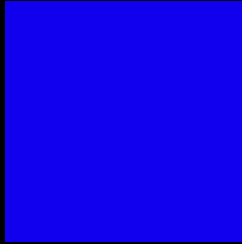
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4997, 6.2246, 80.5053 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 15.4997, 6.2246, 80.5053

Background



This preview shows how black text looks on a background with the XYZ color 15.4997, 6.2246, 80.5053.



This preview shows how white text looks on a background with the XYZ color 15.4997, 6.2246,

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

15.4997, 6.2246, 80.5053

Protanopia

7.3164, 6.3316, 28.0306

Deuteranopia

6.0239, 6.3276, 19.6427



Tritanopia

4.4300, 6.3619, 9.1781

Trichromacy



Original Color

15.4997, 6.2246, 80.5053

Protanomaly

9.1125, 5.0948, 43.1509

Deuteranomaly

7.7925, 4.7521, 35.6285

Tritanomaly

5.9191, 4.2705, 24.9384

Monochromacy



Original Color

15.4997, 6.2246, 80.5053

Achromatopsia

1.3729, 1.4444, 1.5729

Achromatomaly

3.3300, 1.7815, 14.0783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4997, 6.2246, 80.5053 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(16, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(16, 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(16, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.4997, 6.2246, 80.5053 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(16, 0, 237) }
```


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

```
.border{ border-color:rgb(16, 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(16, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(16, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4997, 6.2246, 80.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 0, 237) }
```

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

```
.background{ background-color: rgb(16, 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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