

Converting Colors

XYZ(15.6795, 6.3154, 80.6291)

Have a look what the booklet for
XYZ(15.6795, 6.3154, 80.6291)
contains.

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Color

**XYZ(15.6628, 6.3086,
80.5129)**

Conversions

Conversions Part 1	
Format	Color
Hex	1800ED
RGB	24, 0, 237
RGB Percent	9%, 0%, 93%
CMY	0.9057, 1.0000, 0.0706
CMYK	0.90, 1.00, 0.00, 0.07
HSL	246°, 100%, 46%
HSV	246°, 100%, 93%
XYZ	15.6628, 6.3086, 80.5129
YIQ	34.1940, -61.7730, 78.7950

Conversions

Conversions Part 2

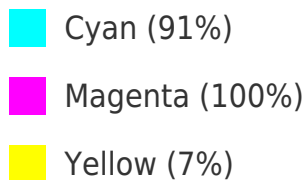
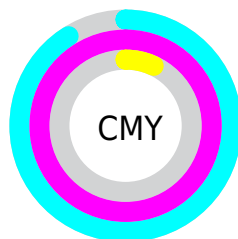
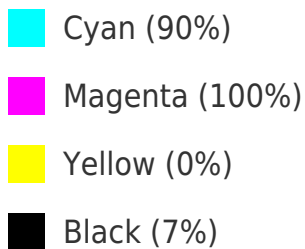
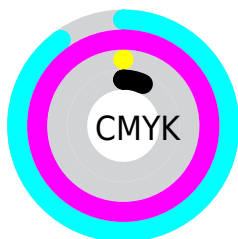
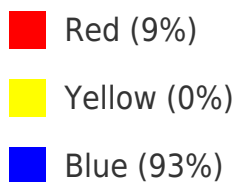
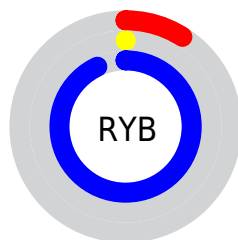
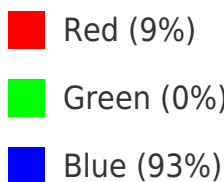
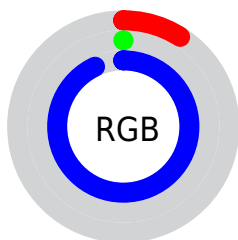
Format	Color
RYB	24, 0, 237
Decimal	1573101
CIELab	30.18, 75.08, -101.24
CIELCh	30, 126.041, 306.561
Yxy	6.3086, 0.1528, 0.0616
Android (android.graphics.Color)	4279763181 (0xFF1800ED)
YUV	34.1940, 99.9834, -8.9401
Hunter-Lab	25.1169, 67.3572, -172.4736

Details

The XYZ color **15.6628, 6.3086, 80.5129** 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 **57.7141, 74.7092, 11.3785**, and the grayscale version is **1.4664, 1.5428, 1.6801**.

A 20% lighter version of the original color is **28.0633, 15.5412, 96.1284**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.6637, 6.3091, 80.5132**, and if you desaturate by 10%, it is **16.7035, 7.3209, 80.6537**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6628, 6.3086, 80.5129 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 15.6628, 6.3086, 80.5129 by changing the saturation by 10% instead.


 15.6628, 6.3086,
80.5129


 15.6628, 6.3086,
80.5129


220.6534,
161.7884, 516.4119


 9.3752, 3.0336,
59.6119


 35.5740, 18.5681,
135.9045


 5.0458, 1.1493,
42.6826


 49.9283, 28.3215,
171.2322


 2.3092, 0.0197,
29.3066


 67.7022, 41.0030,
212.2058

 0.7994, 0.0000,
19.0653

 89.2611, 56.9973,
259.2439

 0.0000, 0.0000,
11.5402

 114.9703, 76.6885,
312.7650


 0.0000, 0.0000,
6.3127


 145.1952,

 0.0000, 0.0000,

100.4612, 373.1877

2.9643


 180.3011,
128.6997, 440.9305

 0.0000, 0.0000,
1.0764


 0.0000, 0.0000,
0.0000

 15.6628, 6.3086,
80.5129


 15.6628, 6.3086,
80.5129

 15.6637, 6.3091,
80.5132

 16.7035, 7.3209,
80.6537

 18.6081, 9.3599,
80.9469

 21.5632, 12.7048,
81.4368

 25.6944, 17.5282,
82.1501

■ 31.1093, 23.9764,
83.1093

■ 37.9032, 32.1777,
84.3342

■ 46.1624, 42.2476,
85.8426

■ 55.9660, 54.2918,
87.6507

■ 67.3875, 68.4081,
89.7734

Harmonies

Analogous

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



7.3942, 6.3086, 116.9679



15.6628, 6.3086, 80.5129



23.6948, 6.3086, 29.7311

Triad

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



15.6628, 6.3086, 80.5129



11.7641, 6.3086, 0.0000



0.1187, 6.3086, 11.3118

Complementary

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



15.6628, 6.3086, 80.5129



57.7141, 74.7092, 11.3785

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.



0.3524, 6.3086, 0.1326



15.6628, 6.3086, 80.5129



4.7864, 6.3086, 0.0000

Square

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



15.6628, 6.3086, 80.5129



20.5880, 6.3086, 0.0000



1.4484, 6.3086, 0.0000



0.7040, 6.3086, 50.3876

Rectangle

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



15.6628, 6.3086, 80.5129



26.0679, 6.3086, 9.0173



1.4484, 6.3086, 0.0000



0.1041, 6.3086, 5.0923

Sweetspot

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



15.6637, 6.3091, 80.5132



54.3827, 49.7317, 101.3406



39.1560, 53.8542, 88.4522



10.7120, 9.5104, 21.5211



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.



15.6637, 6.3091, 80.5132



18.4725, 7.4378, 95.0698



26.4758, 11.8830, 81.0192



14.3729, 14.6220, 18.9870



8.6019, 3.4704, 43.9594



0.7233, 0.2972, 3.4541

Inverse Universe

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



46.9307, 22.8068, 64.8548



55.4020, 26.9248, 76.5062



34.9829, 62.9908, 10.3147



15.6451, 15.2859, 18.6825



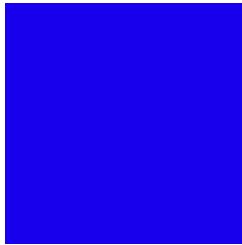
25.6507, 12.4630, 35.5573



2.0332, 0.9863, 2.8924

Previews

White Background



This preview shows how the XYZ color 15.6628, 6.3086, 80.5129 looks on a white background.

Color Contrast Check

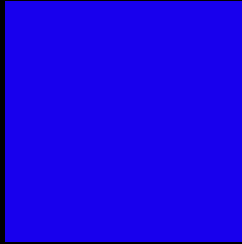
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6628, 6.3086, 80.5129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

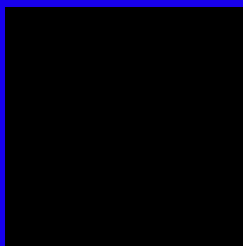
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6628, 6.3086, 80.5129

Background



This preview shows how black text looks on a background with the XYZ color 15.6628, 6.3086, 80.5129.



This preview shows how white text looks on a background with the XYZ color 15.6628, 6.3086,

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

15.6628, 6.3086, 80.5129

Protanopia

7.3785, 6.4556, 28.0513

Deuteranopia

6.1542, 6.4874, 19.9966



Tritanopia

4.4689, 6.3774, 9.3829

Trichromacy



Original Color
15.6628, 6.3086, 80.5129

Protanomaly
9.1877, 5.1895, 43.1653

Deuteranomaly
7.9611, 4.8886, 36.1213

Tritanomaly
6.0301, 4.3192, 25.3268

Monochromacy



Original Color
15.6628, 6.3086, 80.5129

Achromatopsia
1.5204, 1.5996, 1.7420

Achromatomaly
3.5291, 1.9325, 14.3744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6628, 6.3086, 80.5129 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(24, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(24, 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(24, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.6628, 6.3086, 80.5129 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(24, 0, 237) }
```


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

```
.border{ border-color:rgb(24, 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(24, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(24, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6628, 6.3086, 80.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 0, 237) }
```

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

```
.background{ background-color: rgb(24, 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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