

Converting Colors

XYZ(15.6179, 6.2829, 80.6253)

Have a look what the booklet for
XYZ(15.6179, 6.2829, 80.6253)
contains.

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Color

**XYZ(15.5953, 6.2739,
80.5098)**

Conversions

Conversions Part 1

Format	Color
Hex	1500ED
RGB	21, 0, 237
RGB Percent	8%, 0%, 93%
CMY	0.9175, 1.0000, 0.0706
CMYK	0.91, 1.00, 0.00, 0.07
HSL	245°, 100%, 46%
HSV	245°, 100%, 93%
XYZ	15.5953, 6.2739, 80.5098
YIQ	33.2970, -63.5610, 78.1590

Conversions

Conversions Part 2

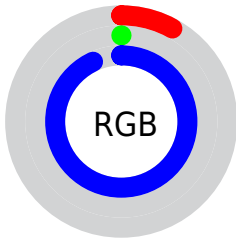
Format	Color
RYB	21, 0, 237
Decimal	1376493
CIELab	30.09, 75.05, -101.38
CIElCh	30, 126.139, 306.512
Yxy	6.2739, 0.1523, 0.0613
Android (android.graphics.Color)	4279566573 (0xFF1500ED)
YUV	33.2970, 100.4256, -10.7845
Hunter-Lab	25.0478, 67.3046, -173.0396

Details

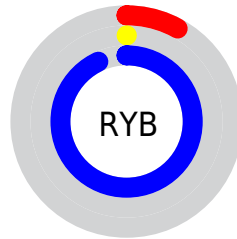
The XYZ color **15.5953, 6.2739, 80.5098** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **58.5930, 75.1623, 11.4196**, and the grayscale version is **1.4003, 1.4732, 1.6043**.

A 20% lighter version of the original color is **27.9239, 15.4693, 96.1219**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.5961, 6.2743, 80.5101**, and if you desaturate by 10%, it is **16.5875, 7.2611, 80.6483**.

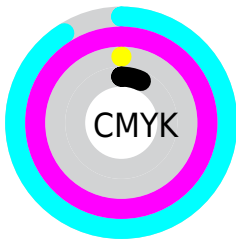
Distribution



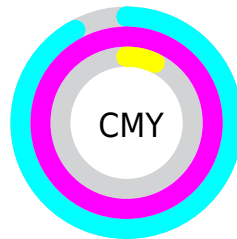
- Red (8%)
- Green (0%)
- Blue (93%)



- Red (8%)
- Yellow (0%)
- Blue (93%)



- Cyan (91%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (92%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5953, 6.2739, 80.5098 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 15.5953, 6.2739, 80.5098 by changing the saturation by 10% instead.

■ 15.5953, 6.2739,
80.5098

■ 15.5953, 6.2739,
80.5098

220.2593,
161.4863, 516.4012

■ 9.3273, 3.0123,
59.6093

■ 35.4573, 18.4968,
135.9001

■ 5.0141, 1.1382,
42.6806

■ 49.7820, 28.2270,
171.2270

■ 2.2904, 0.0103,
29.3050

■ 67.5230, 40.8821,
212.1998

■ 0.7897, 0.0000,
19.0641

■ 89.0456, 56.8466,
259.2371

■ 0.0000, 0.0000,
11.5393

■ 114.7152, 76.5049,
312.7573

■ 0.0000, 0.0000,
6.3121


■ 144.8971,

■ 0.0000, 0.0000,


100.2413, 373.1791

2.9639


 179.9567,
128.4403, 440.9208


 0.0000, 0.0000,
1.0763

 0.0000, 0.0000,
0.0000


 15.5953, 6.2739,
80.5098


 15.5953, 6.2739,
80.5098

 15.5961, 6.2743,
80.5101

 16.5875, 7.2611,
80.6483

 18.4479, 9.2773,
80.9394

 21.3674, 12.6038,
81.4277

 25.4745, 17.4149,
82.1398

■ 30.8796, 23.8580,
83.0986

■ 37.6800, 32.0625,
84.3238

■ 45.9638, 42.1452,
85.8333

■ 55.8118, 54.2123,
87.6435

■ 67.2991, 68.3625,
89.7693

Harmonies

Analogous

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



7.3463, 6.2739, 116.9063



15.5953, 6.2739, 80.5098



23.6229, 6.2739, 29.7261

Triad

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



15.5953, 6.2739, 80.5098



11.7320, 6.2739, 0.0000



0.1071, 6.2739, 11.2242

Complementary

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



15.5953, 6.2739, 80.5098



58.5930, 75.1623, 11.4196

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.



0.3424, 6.2739, 0.1127



15.5953, 6.2739, 80.5098



4.7656, 6.2739, 0.0000

Square

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



15.5953, 6.2739, 80.5098



20.5424, 6.2739, 0.0000



1.4367, 6.2739, 0.0000



0.6916, 6.2739, 50.2168

Rectangle

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



15.5953, 6.2739, 80.5098



26.0020, 6.2739, 9.0074



1.4367, 6.2739, 0.0000



0.0929, 6.2739, 5.0372

Sweetspot

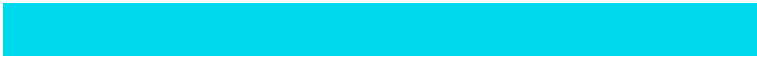
The Sweet Spot groups the original color and five complimentary colors.



15.5961, 6.2743, 80.5101



54.1476, 49.6105, 101.3296



40.1636, 55.8693, 88.7881



10.6584, 9.4828, 21.5186



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.



15.5961, 6.2743, 80.5101



18.3950, 7.3979, 95.0661



25.8088, 11.5391, 80.9881



14.3551, 14.6128, 18.9862



8.5605, 3.4490, 43.9575



0.7148, 0.2928, 3.4537

Inverse Universe

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



47.3154, 22.9607, 66.8803



55.8577, 27.1071, 78.9060



35.4026, 63.2072, 10.3343



15.6538, 15.2894, 18.7282



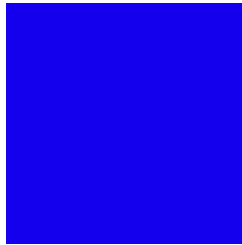
25.8576, 12.5457, 36.6469



2.0474, 0.9919, 2.9669

Previews

White Background



This preview shows how the XYZ color 15.5953, 6.2739, 80.5098 looks on a white background.

Color Contrast Check

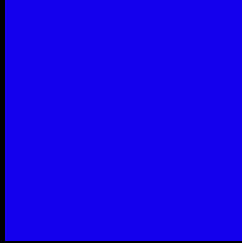
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5953, 6.2739, 80.5098 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 15.5953, 6.2739, 80.5098

Background



This preview shows how black text looks on a background with the XYZ color 15.5953, 6.2739, 80.5098.



This preview shows how white text looks on a background with the XYZ color 15.5953, 6.2739,

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

15.5953, 6.2739, 80.5098

Protanopia

7.3785, 6.4556, 28.0513

Deuteranopia

6.0869, 6.3528, 19.9742



Tritanopia

4.4689, 6.3774, 9.3829

Trichromacy



Original Color

15.5953, 6.2739, 80.5098

Protanomaly

9.1752, 5.1831, 43.1647

Deuteranomaly

7.9082, 4.8013, 36.1072

Tritanomaly

6.0176, 4.3127, 25.3262

Monochromacy



Original Color

15.5953, 6.2739, 80.5098

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

3.4287, 1.8591, 14.0880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5953, 6.2739, 80.5098 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(21, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(21, 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(21, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.5953, 6.2739, 80.5098 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(21, 0, 237) }
```


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

```
.border{ border-color:rgb(21, 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(21, 0, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(21, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5953, 6.2739, 80.5098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 0, 237) }
```

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

```
.background{ background-color: rgb(21, 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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