

Converting Colors

XYZ(15.8736, 6.3661, 82.8356)

Have a look what the booklet for
XYZ(15.8736, 6.3661, 82.8356)
contains.

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Color

**XYZ(15.8798, 6.3694,
82.8305)**

Conversions

Conversions Part 1

Format	Color
Hex	0C00F0
RGB	12, 0, 240
RGB Percent	5%, 0%, 94%
CMY	0.9527, 1.0000, 0.0588
CMYK	0.95, 1.00, 0.00, 0.06
HSL	243°, 100%, 47%
HSV	243°, 100%, 94%
XYZ	15.8798, 6.3694, 82.8305
YIQ	30.9480, -69.8880, 77.1840

Conversions

Conversions Part 2

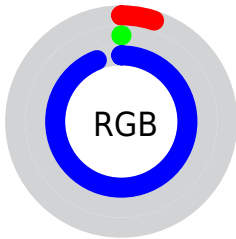
Format	Color
R _Y B	12, 0, 240
Decimal	786672
CIE Lab	30.33, 75.70, -102.70
CIE LCh	30, 127.588, 306.395
Yxy	6.3694, 0.1511, 0.0606
Android (android.graphics.Color)	4278976752 (0xFF0C00F0)
YUV	30.9480, 103.0626, -16.6174
Hunter-Lab	25.2377, 68.1481, -176.9245

Details

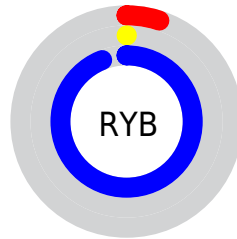
The XYZ color **15.8798, 6.3694, 82.8305** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **63.1356, 78.8043, 11.8832**, and the grayscale version is **1.2353, 1.2996, 1.4153**.

A 20% lighter version of the original color is **27.7859, 15.3982, 96.1154**, and **8.4435, 3.3774, 44.4628** is the 20% darker color. If you saturate the color by 10%, you get **15.8807, 6.3699, 82.8308**, and if you desaturate by 10%, it is **16.7431, 7.2994, 82.9648**.

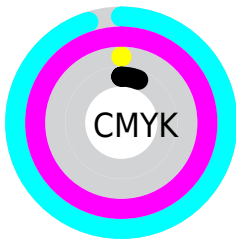
Distribution



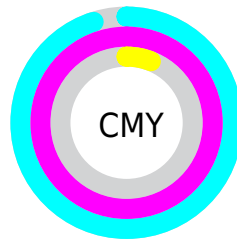
- Red (5%)
- Green (0%)
- Blue (94%)



- Red (5%)
- Yellow (0%)
- Blue (94%)



- Cyan (95%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)




- Cyan (95%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8798, 6.3694, 82.8305 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 15.8798, 6.3694, 82.8305 by changing the saturation by 10% instead.


 15.8798, 6.3694,
82.8305


 15.8798, 6.3694,
82.8305


221.9158,
162.3160, 524.3776

 9.5294, 3.0710,
61.5105


 35.9485, 18.6929,
139.1851


 5.1480, 1.1689,
44.2041


 50.3976, 28.4867,
175.0569

 2.3700, 0.0361,
30.4926


 68.2770, 41.2145,
216.6163

 0.8301, 0.0000,
19.9576

 89.9521, 57.2606,
264.2820

 0.0000, 0.0000,
12.1804

 115.7881, 77.0094,
318.4724

 0.0000, 0.0000,
6.7427


 146.1505,

 0.0000, 0.0000,

100.8453, 379.6061

3.2257

 181.4046,
129.1527, 448.1017

 0.0000, 0.0000,
1.2110

 0.0000, 0.0000,
0.0000


 15.8798, 6.3694,
82.8305


 15.8798, 6.3694,
82.8305

 15.8807, 6.3699,
82.8308

 16.7431, 7.2994,
82.9648

 18.5098, 9.2943,
83.2567

 21.3914, 12.6509,
83.7527

 25.5319, 17.5547,
84.4810

■ 31.0535, 24.1623,
85.4654

■ 38.0640, 32.6110,
86.7267

■ 46.6606, 43.0242,
88.2836

■ 56.9321, 55.5147,
90.1531

■ 68.9609, 70.1866,
92.3511

Harmonies

Analogous

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



7.4405, 6.3694, 120.1383



15.8798, 6.3694, 82.8305



24.1286, 6.3694, 30.5717

Triad

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



15.8798, 6.3694, 82.8305



11.9912, 6.3694, 0.0000



0.0957, 6.3694, 11.3343

Complementary

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



15.8798, 6.3694, 82.8305



63.1356, 78.8043, 11.8832

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.



0.3370, 6.3694, 0.0836



15.8798, 6.3694, 82.8305



4.8513, 6.3694, 0.0000

Square

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



15.8798, 6.3694, 82.8305



21.0233, 6.3694, 0.0000



1.4490, 6.3694, 0.0000



0.6838, 6.3694, 51.2501

Rectangle

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



15.8798, 6.3694, 82.8305



26.5911, 6.3694, 9.2422



1.4490, 6.3694, 0.0000



0.0825, 6.3694, 5.0481

Sweetspot

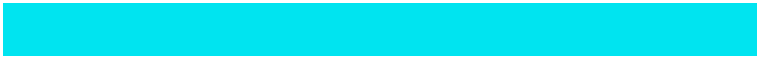
The Sweet Spot groups the original color and five complimentary colors.



15.8807, 6.3699, 82.8308



53.4430, 49.2472, 101.2967



43.4717, 61.7783, 92.0715



10.4985, 9.4003, 21.5111



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.



15.8807, 6.3699, 82.8308



18.2133, 7.3042, 95.0576



25.2440, 11.1968, 83.2690



14.9707, 15.2666, 19.8793



8.7253, 3.5035, 45.3442



0.7516, 0.3047, 3.7734

Inverse Universe

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



49.9303, 24.1233, 75.3787



57.2947, 27.6819, 86.4730



37.3445, 65.5085, 10.6762



16.4179, 16.0169, 19.7571



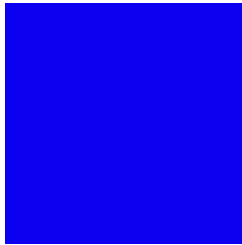
27.3478, 13.2116, 41.3439



2.2856, 1.1033, 3.4946

Previews

White Background



This preview shows how the XYZ color 15.8798, 6.3694, 82.8305 looks on a white background.

Color Contrast Check

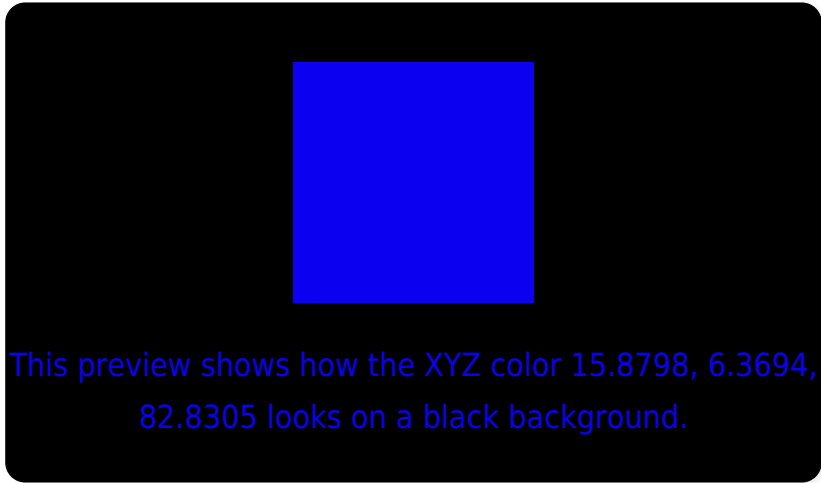
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

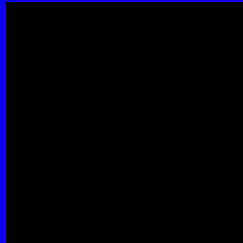
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8798, 6.3694, 82.8305

Background



This preview shows how black text looks on a background with the XYZ color 15.8798, 6.3694, 82.8305.



This preview shows how white text looks on a background with the XYZ color 15.8798, 6.3694,

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

15.8798, 6.3694, 82.8305

Protanopia

7.4566, 6.4869, 28.4629

Deuteranopia

6.2177, 6.5128, 20.3314



Tritanopia

4.5427, 6.5250, 9.4075

Trichromacy



Original Color

15.8798, 6.3694, 82.8305

Protanomaly

9.3289, 5.2388, 44.2356

Deuteranomaly

8.0821, 4.9297, 37.0848

Tritanomaly

6.0858, 4.4049, 25.7288

Monochromacy



Original Color

15.8798, 6.3694, 82.8305

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

3.2807, 1.7560, 14.0760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8798, 6.3694, 82.8305 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(12, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(12, 0, 240)  
}
```

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(12, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 15.8798, 6.3694, 82.8305 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(12, 0, 240) }
```


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

```
.border{ border-color:rgb(12, 0, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(12, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(12, 0, 240)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8798, 6.3694, 82.8305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 0, 240) }
```

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

```
.background{ background-color: rgb(12, 0,  
240) }
```

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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