

Converting Colors

XYZ(18.1707, 7.4217, 88.7540)

Have a look what the booklet for
XYZ(18.1707, 7.4217, 88.7540)
contains.

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Color

**XYZ(18.1039, 7.3935,
88.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	3200F7
RGB	50, 0, 247
RGB Percent	20%, 0%, 97%
CMY	0.8039, 1.0000, 0.0314
CMYK	0.80, 1.00, 0.00, 0.03
HSL	252°, 100%, 48%
HSV	252°, 100%, 97%
XYZ	18.1039, 7.3935, 88.4686
YIQ	43.1080, -49.4870, 87.4170

Conversions

Conversions Part 2

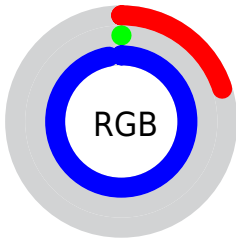
Format	Color
R _{YB}	50, 0, 247
Decimal	3277047
CIE Lab	32.69, 77.83, -102.68
CIE LCh	33, 128.846, 307.160
Yxy	7.3935, 0.1589, 0.0649
Android (android.graphics.Color)	4281467127 (0xFF3200F7)
YUV	43.1080, 100.5188, 6.0443
Hunter-Lab	27.1910, 71.2620, -173.8722

Details

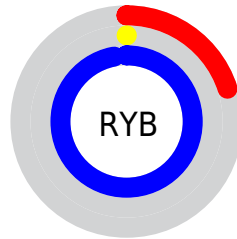
The XYZ color **18.1039, 7.3935, 88.4686** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **56.2822, 78.3897, 12.1643**, and the grayscale version is **2.2173, 2.3328, 2.5404**.

A 20% lighter version of the original color is **30.0402, 16.8413, 96.2751**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **18.1048, 7.3940, 88.4690**, and if you desaturate by 10%, it is **19.6352, 8.6895, 88.6384**.

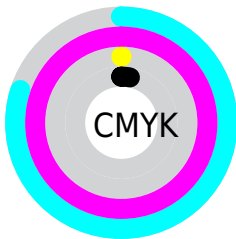
Distribution



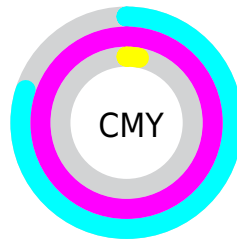
- Red (20%)
- Green (0%)
- Blue (97%)



- Red (20%)
- Yellow (0%)
- Blue (97%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (80%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1039, 7.3935, 88.4686 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 18.1039, 7.3935, 88.4686 by changing the saturation by 10% instead.


 18.1039, 7.3935,
88.4686


 18.1039, 7.3935,
88.4686


234.4903,
170.8945, 543.4776


 11.1247, 3.7094,
66.1447


 39.7430, 20.7606,
147.1262


 6.2187, 1.5124,
47.9326


 55.1336, 31.2123,
184.2970

 3.0204, 0.2974,
33.4139


 74.0588, 44.6887,
227.2539

 1.1646, 0.0000,
22.1700

 96.8839, 61.5742,
276.4153

 0.0781, 0.0000,
13.7824

 123.9742, 82.2531,
332.1998

 0.0000, 0.0000,
7.8324


 155.6952,


 0.0000, 0.0000,


107.1098, 395.0260


3.9017


 192.4121,
136.5288, 465.3125

 0.0000, 0.0000,
1.5716


 0.0000, 0.0000,
0.2704


 18.1039, 7.3935,
88.4686


 18.1039, 7.3935,
88.4686

 18.1048, 7.3940,
88.4690

 19.6352, 8.6895,
88.6384

 22.0634, 11.0901,
88.9737

 25.5646, 14.8847,
89.5216

 30.2561, 20.2536,
90.3107

■ 36.2388, 27.3493,
91.3649

■ 43.6026, 36.3057,
92.7056

■ 52.4288, 47.2437,
94.3517

■ 62.7926, 60.2737,
96.3205

■ 74.7636, 75.4977,
98.6281

Harmonies

Analogous

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



8.7672, 7.3935, 129.2840



18.1039, 7.3935, 88.4686



26.9789, 7.3935, 32.7152

Triad

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



18.1039, 7.3935, 88.4686



13.3441, 7.3935, 0.0000



0.3185, 7.3935, 13.6108

Complementary

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



18.1039, 7.3935, 88.4686



56.2822, 78.3897, 12.1643

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.



0.5406, 7.3935, 0.4434



18.1039, 7.3935, 88.4686



5.5343, 7.3935, 0.0000

Square

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



18.1039, 7.3935, 88.4686



23.2137, 7.3935, 0.0000



1.7499, 7.3935, 0.0000



0.9360, 7.3935, 57.6188

Rectangle

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



18.1039, 7.3935, 88.4686



29.5032, 7.3935, 10.0304



1.7499, 7.3935, 0.0000



0.2979, 7.3935, 6.3496

Sweetspot

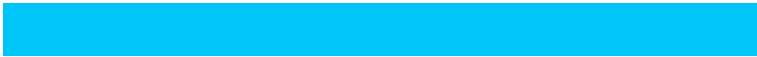
The Sweet Spot groups the original color and five complimentary colors.



18.1048, 7.3940, 88.4690



56.3160, 50.7283, 101.4311



36.8914, 46.9211, 95.1083



11.1547, 9.7386, 21.5418



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.



18.1048, 7.3940, 88.4690



19.4476, 7.9405, 95.1154



34.0001, 15.5883, 89.2128



15.8946, 16.0883, 20.8102



9.6670, 3.9579, 46.7925



0.9303, 0.3894, 4.1164

Inverse Universe

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



48.4339, 23.8046, 54.8547



52.0627, 25.5891, 58.9215



36.0926, 67.9816, 11.2195



17.0614, 16.7074, 20.0699



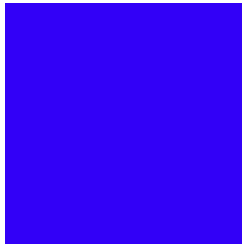
25.6675, 12.6104, 29.2871



2.2915, 1.1226, 2.7613

Previews

White Background



This preview shows how the XYZ color 18.1039, 7.3935, 88.4686 looks on a white background.

Color Contrast Check

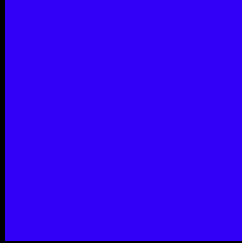
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1039, 7.3935, 88.4686 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 18.1039, 7.3935, 88.4686

Background



This preview shows how black text looks on a background with the XYZ color 18.1039, 7.3935, 88.4686.



This preview shows how white text looks on a background with the XYZ color 18.1039, 7.3935,

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

18.1039, 7.3935, 88.4686

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1023, 7.4308, 23.2503



Tritanopia

5.2161, 7.4109, 11.0531

Trichromacy



Original Color

18.1039, 7.3935, 88.4686

Protanomaly

10.6007, 5.9602, 49.3069

Deuteranomaly

9.0733, 5.5522, 40.6379

Tritanomaly

6.9609, 4.9991, 28.6150

Monochromacy



Original Color

18.1039, 7.3935, 88.4686

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

4.7295, 2.6491, 17.0917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1039, 7.3935, 88.4686 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(50, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(50, 0, 247)  
}
```

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(50, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 18.1039, 7.3935, 88.4686 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(50, 0, 247) }
```


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

```
.border{ border-color:rgb(50, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(50, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(50, 0, 247)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1039, 7.3935, 88.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 247) }
```

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

```
.background{ background-color: rgb(50, 0,  
247) }
```

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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