

Converting Colors

XYZ(16.0309, 6.9679, 82.7046)

Have a look what the booklet for
XYZ(16.0309, 6.9679, 82.7046)
contains.

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Color

**XYZ(16.0758, 6.9865,
82.9393)**

Conversions

Conversions Part 1

Format	Color
Hex	0019F0
RGB	0, 25, 240
RGB Percent	0%, 10%, 94%
CMY	0.9997, 0.9020, 0.0588
CMYK	1.00, 0.90, 0.00, 0.06
HSL	234°, 100%, 47%
HSV	234°, 100%, 94%
XYZ	16.0758, 6.9865, 82.9393
YIQ	42.0350, -83.9150, 61.5650

Conversions

Conversions Part 2

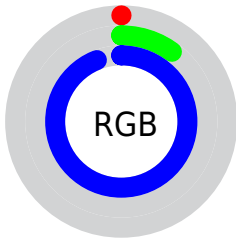
Format	Color
RYB	0, 23, 240
Decimal	6640
CIELab	31.78, 70.58, -100.28
CIElCh	32, 122.630, 305.139
Yxy	6.9865, 0.1517, 0.0659
Android (android.graphics.Color)	4278196720 (0xFF0019F0)
YUV	42.0350, 97.5967, -36.8647
Hunter-Lab	26.4320, 62.3068, -167.5400

Details

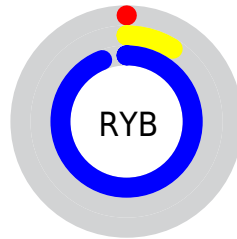
The XYZ color **16.0758, 6.9865, 82.9393** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **60.2565, 67.1671, 9.7906**, and the grayscale version is **2.1227, 2.2332, 2.4320**.

A 20% lighter version of the original color is **28.1211, 16.6703, 96.3433**, and **8.4435, 3.3774, 44.4628** is the 20% darker color. If you saturate the color by 10%, you get **16.0743, 6.9835, 82.9391**, and if you desaturate by 10%, it is **17.1030, 8.4792, 83.1736**.

Distribution



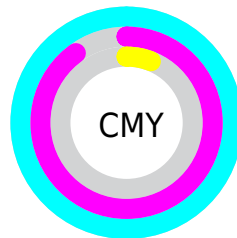
- Red (0%)
- Green (10%)
- Blue (94%)



- Red (0%)
- Yellow (9%)
- Blue (94%)



- Cyan (100%)
- Magenta (90%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (90%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0758, 6.9865, 82.9393 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 16.0758, 6.9865, 82.9393 by changing the saturation by 10% instead.

■ 16.0758, 6.9865,
82.9393

■ 16.0758, 6.9865,
82.9393

223.0502,
167.5515, 524.7499

■ 9.6690, 3.4537,
61.5998

■ 36.2861, 19.9460,
139.3389

■ 5.2406, 1.3729,
44.2757

■ 50.8204, 30.1415,
175.2361

■ 2.4253, 0.1966,
30.5485

■ 68.7945, 43.3267,
216.8228

■ 0.8578, 0.0000,
19.9997

■ 90.5738, 59.8859,
264.5178

■ 0.0000, 0.0000,
12.2108

■ 116.5236, 80.2036,
318.7394


■ 0.0000, 0.0000,
6.7631


■ 147.0094,

■ 0.0000, 0.0000,

104.6642, 379.9063

3.2382


 182.3965,
133.6520, 448.4369


 0.0000, 0.0000,
1.2175


 0.0000, 0.0000,
0.0000


 16.0758, 6.9865,
82.9393


 16.0758, 6.9865,
82.9393

 16.0743, 6.9835,
82.9391

 17.1030, 8.4792,
83.1736

 19.0176, 11.0559,
83.5700

 22.0207, 14.9016,
84.1540

 26.2456, 20.1544,
84.9453

■ 31.8060, 26.9344,
85.9609

■ 38.8026, 35.3484,
87.2162

■ 47.3263, 45.4938,
88.7252

■ 57.4605, 57.4602,
90.5008

■ 69.2825, 71.3311,
92.5551

Harmonies

Analogous

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



7.7607, 6.9865, 116.4155



16.0758, 6.9865, 82.9393



24.2670, 6.9865, 32.6958

Triad

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



16.0758, 6.9865, 82.9393



12.9807, 6.9865, 0.0000



0.3620, 6.9865, 11.0740

Complementary

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



16.0758, 6.9865, 82.9393



60.2565, 67.1671, 9.7906

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.



0.6274, 6.9865, 0.2258



16.0758, 6.9865, 82.9393



5.6336, 6.9865, 0.0000

Square

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



16.0758, 6.9865, 82.9393



21.8324, 6.9865, 0.0000



1.8854, 6.9865, 0.0000



0.8967, 6.9865, 48.7021

Rectangle

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



16.0758, 6.9865, 82.9393



26.8614, 6.9865, 10.8646



1.8854, 6.9865, 0.0000



0.3607, 6.9865, 5.0760

Sweetspot

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



16.0765, 6.9865, 82.9396



54.1780, 52.0501, 101.7989



43.0457, 67.0747, 72.9708



10.6656, 10.0357, 21.6249



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.



16.0765, 6.9865, 82.9396



18.4302, 7.9805, 95.1767



20.1468, 8.5702, 83.0307



15.0294, 15.4928, 19.9199



8.8439, 3.9120, 45.4168



0.7795, 0.4130, 3.7928

Inverse Universe

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



36.1114, 18.5969, 2.6053



41.4319, 21.3368, 2.9407



43.3780, 68.6189, 10.9605



15.8395, 15.7855, 16.7111



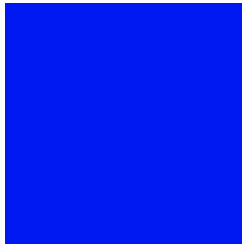
19.7896, 10.1883, 1.5427



1.6684, 0.8564, 0.2447

Previews

White Background



This preview shows how the XYZ color 16.0758, 6.9865, 82.9393 looks on a white background.

Color Contrast Check

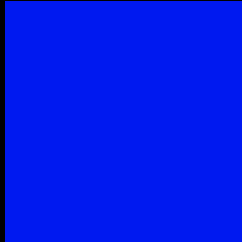
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0758, 6.9865, 82.9393 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 16.0758, 6.9865, 82.9393

Background



This preview shows how black text looks on a background with the XYZ color 16.0758, 6.9865, 82.9393.



This preview shows how white text looks on a background with the XYZ color 16.0758, 6.9865,

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

16.0758, 6.9865, 82.9393

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022

Trichromacy



Original Color

16.0758, 6.9865, 82.9393

Protanomaly

9.9134, 6.1513, 45.4646

Deuteranomaly

8.6745, 5.8907, 38.2159

Monochromacy



Original Color

16.0758, 6.9865, 82.9393

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

4.1201, 2.7097, 16.2255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0758, 6.9865, 82.9393 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(0, 25, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 25, 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(0, 25, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 25, 240) }
```

Border

The CSS property to change the border of an element to XYZ 16.0758, 6.9865, 82.9393 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(0, 25, 240) }
```

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

```
.border{ border-color:rgb(0, 25, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 25, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 25, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 25, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 25, 240)  
}
```


Background

The CSS property to change the background color of an element to XYZ 16.0758, 6.9865, 82.9393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 25, 240) }
```

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

```
.background{ background-color: rgb(0, 25,  
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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