

Converting Colors

XYZ(16.3436, 6.6571, 80.6593)

Have a look what the booklet for
XYZ(16.3436, 6.6571, 80.6593)
contains.

XYZ(16.3248, 6.6499, 80.5439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.3248, 6.6499,
80.5439)**

Conversions

Conversions Part 1

Format	Color
Hex	2C00ED
RGB	44, 0, 237
RGB Percent	17%, 0%, 93%
CMY	0.8274, 1.0000, 0.0706
CMYK	0.81, 1.00, 0.00, 0.07
HSL	251°, 100%, 46%
HSV	251°, 100%, 93%
XYZ	16.3248, 6.6499, 80.5439
YIQ	40.1740, -49.8530, 83.0350

Conversions

Conversions Part 2

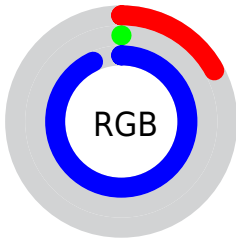
Format	Color
RYB	44, 0, 237
Decimal	2883821
CIELab	31.00, 75.36, -99.85
CIELCh	31, 125.099, 307.044
Yxy	6.6499, 0.1577, 0.0642
Android (android.graphics.Color)	4281073901 (0xFF2C00ED)
YUV	40.1740, 97.0352, 3.3554
Hunter-Lab	25.7874, 67.8721, -167.1341

Details

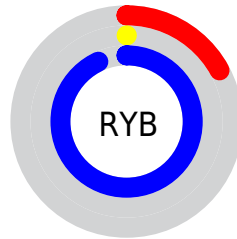
The XYZ color **16.3248, 6.6499, 80.5439** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **52.2717, 71.9035, 11.1238**, and the grayscale version is **1.9526, 2.0543, 2.2371**.

A 20% lighter version of the original color is **29.1422, 16.1895, 96.1967**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **16.3257, 6.6504, 80.5442**, and if you desaturate by 10%, it is **17.6768, 7.8227, 80.6993**.

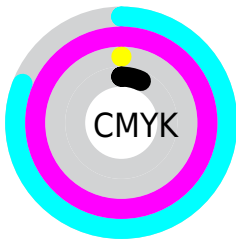
Distribution



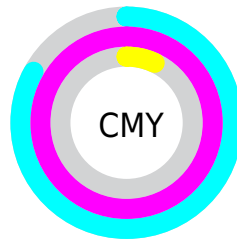
- Red (17%)
- Green (0%)
- Blue (93%)



- Red (17%)
- Yellow (0%)
- Blue (93%)



- Cyan (81%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (83%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3248, 6.6499, 80.5439 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 16.3248, 6.6499, 80.5439 by changing the saturation by 10% instead.

■ 16.3248, 6.6499,
80.5439

■ 16.3248, 6.6499,
80.5439

224.4836,
164.7221, 516.5189

■ 9.8466, 3.2441,
59.6372

■ 36.7141, 19.2654,
135.9485

■ 5.3588, 1.2605,
42.7029

■ 51.3558, 29.2438,
171.2834

■ 2.4962, 0.1103,
29.3224

■ 69.4495, 42.1820,
212.2649

■ 0.8933, 0.0000,
19.0772

■ 91.3604, 58.4643,
259.3114

■ 0.0000, 0.0000,
11.5487

■ 117.4539, 78.4750,
312.8416

■ 0.0000, 0.0000,
6.3184


■ 148.0954,

■ 0.0000, 0.0000,


102.5986, 373.2738


2.9677


 183.6502,
131.2195, 441.0268

 0.0000, 0.0000,
1.0782


 0.0000, 0.0000,
0.0000


 16.3248, 6.6499,
80.5439


 16.3248, 6.6499,
80.5439

 16.3257, 6.6504,
80.5442

 17.6768, 7.8227,
80.6993

 19.8522, 10.0012,
81.0051

 23.0155, 13.4534,
81.5048

 27.2752, 18.3432,
82.2241

■ 32.7250, 24.8093,
83.1849

■ 39.4478, 32.9739,
84.4065

■ 47.5192, 42.9470,
85.9061

■ 57.0085, 54.8292,
87.6995

■ 67.9805, 68.7137,
89.8012

Harmonies

Analogous

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



7.8680, 6.6499, 117.5689



16.3248, 6.6499, 80.5439



24.3968, 6.6499, 29.7779

Triad

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



16.3248, 6.6499, 80.5439



12.0761, 6.6499, 0.0000



0.2307, 6.6499, 12.1809

Complementary

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



16.3248, 6.6499, 80.5439



52.2717, 71.9035, 11.1238

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.



0.4495, 6.6499, 0.3251



16.3248, 6.6499, 80.5439



4.9906, 6.6499, 0.0000

Square

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



16.3248, 6.6499, 80.5439



21.0311, 6.6499, 0.0000



1.5652, 6.6499, 0.0000



0.8240, 6.6499, 52.0600

Rectangle

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



16.3248, 6.6499, 80.5439



26.7099, 6.6499, 9.1115



1.5652, 6.6499, 0.0000



0.2117, 6.6499, 5.6451

Sweetspot

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



16.3257, 6.6504, 80.5442



55.9882, 50.5594, 101.4158



34.4780, 44.4981, 86.8929



11.0793, 9.6998, 21.5382



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.



16.3257, 6.6504, 80.5442



19.2391, 7.8330, 95.1056



30.1763, 13.7906, 81.1924



14.4922, 14.6835, 18.9926



8.9931, 3.6720, 43.9777



0.7798, 0.3263, 3.4568

Inverse Universe

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



44.5487, 21.8540, 52.3111



52.5806, 25.7962, 61.6486



33.1899, 62.0665, 10.2307



15.5878, 15.2630, 18.3808



24.3675, 11.9497, 28.8001



1.9445, 0.9508, 2.4250

Previews

White Background



This preview shows how the XYZ color 16.3248, 6.6499, 80.5439 looks on a white background.

Color Contrast Check

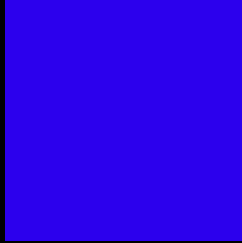
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3248, 6.6499, 80.5439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

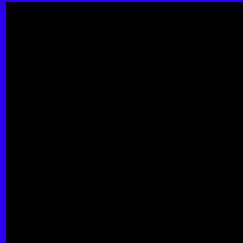
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3248, 6.6499, 80.5439

Background



This preview shows how black text looks on a background with the XYZ color 16.3248, 6.6499, 80.5439.



This preview shows how white text looks on a background with the XYZ color 16.3248, 6.6499,

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

16.3248, 6.6499, 80.5439

Protanopia

7.8224, 6.8367, 29.7615

Deuteranopia

6.4152, 6.7012, 21.0340



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

16.3248, 6.6499, 80.5439

Protanomaly

9.6342, 5.4415, 44.7985

Deuteranomaly

8.2457, 5.0141, 37.0924

Tritanomaly

6.2494, 4.4892, 25.7364

Monochromacy



Original Color

16.3248, 6.6499, 80.5439

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

4.1867, 2.3365, 15.5596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3248, 6.6499, 80.5439 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(44, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(44, 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(44, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 16.3248, 6.6499, 80.5439 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(44, 0, 237) }
```


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

```
.border{ border-color:rgb(44, 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(44, 0, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(44, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3248, 6.6499, 80.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 0, 237) }
```

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

```
.background{ background-color: rgb(44, 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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