

Converting Colors

XYZ(16.1544, 6.5569, 80.7099)

Have a look what the booklet for
XYZ(16.1544, 6.5569, 80.7099)
contains.

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Color

**XYZ(16.1228, 6.5458,
80.5345)**

Conversions

Conversions Part 1

Format	Color
Hex	2700ED
RGB	39, 0, 237
RGB Percent	15%, 0%, 93%
CMY	0.8470, 1.0000, 0.0706
CMYK	0.84, 1.00, 0.00, 0.07
HSL	250°, 100%, 46%
HSV	250°, 100%, 93%
XYZ	16.1228, 6.5458, 80.5345
YIQ	38.6790, -52.8330, 81.9750

Conversions

Conversions Part 2

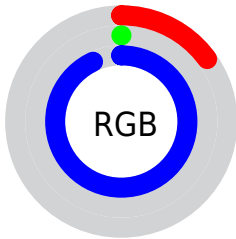
Format	Color
R_{YB}	39, 0, 237
Decimal	2556141
CIE _{Lab}	30.75, 75.27, -100.27
CIE _{LCh}	31, 125.380, 306.896
Yxy	6.5458, 0.1562, 0.0634
Android (android.graphics.Color)	4280746221 (0xFF2700ED)
YUV	38.6790, 97.7723, 0.2815
Hunter-Lab	25.5848, 67.7124, -168.7209

Details

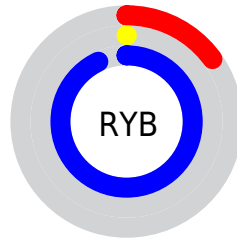
The XYZ color **16.1228, 6.5458, 80.5345** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **53.5674, 72.5715, 11.1844**, and the grayscale version is **1.8234, 1.9183, 2.0890**.

A 20% lighter version of the original color is **28.8443, 16.0359, 96.1827**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **16.1236, 6.5462, 80.5348**, and if you desaturate by 10%, it is **17.3996, 7.6797, 80.6864**.

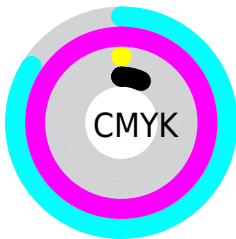
Distribution



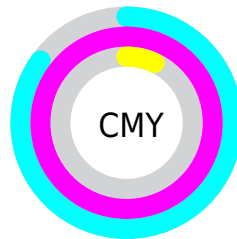
- Red (15%)
- Green (0%)
- Blue (93%)



- Red (15%)
- Yellow (0%)
- Blue (93%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (85%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1228, 6.5458, 80.5345 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 16.1228, 6.5458, 80.5345 by changing the saturation by 10% instead.

■ 16.1228, 6.5458,
80.5345

■ 16.1228, 6.5458,
80.5345

223.3214,
163.8345, 516.4865

■ 9.7025, 3.1797,
59.6295

■ 36.3670, 19.0535,
135.9351

■ 5.2629, 1.2263,
42.6968

■ 50.9216, 28.9638,
171.2679

■ 2.4387, 0.0830,
29.3176

■ 68.9183, 41.8244,
212.2470

■ 0.8644, 0.0000,
19.0736

■ 90.7225, 58.0196,
259.2909

■ 0.0000, 0.0000,
11.5461

■ 116.6996, 77.9338,
312.8183


■ 0.0000, 0.0000,
6.3167

■ 147.2148,

■ 0.0000, 0.0000,

101.9515, 373.2477

2.9667

 182.6337,
130.4569, 440.9976

 0.0000, 0.0000,
1.0776


 0.0000, 0.0000,
0.0000

 16.1228, 6.5458,
80.5345


 16.1228, 6.5458,
80.5345

 16.1236, 6.5462,
80.5348

 17.3996, 7.6797,
80.6864

 19.5114, 9.8255,
80.9892

 22.6277, 13.2535,
81.4867

 26.8605, 18.1294,
82.2047

■ 32.3067, 24.5937,
83.1654

■ 39.0519, 32.7698,
84.3880

■ 47.1742, 42.7692,
85.8900

■ 56.7452, 54.6935,
87.6872

■ 67.8315, 68.6370,
89.7942

Harmonies

Analogous

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



7.7229, 6.5458, 117.3845



16.1228, 6.5458, 80.5345



24.1831, 6.5458, 29.7649

Triad

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



16.1228, 6.5458, 80.5345



11.9817, 6.5458, 0.0000



0.1970, 6.5458, 11.9134

Complementary

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



16.1228, 6.5458, 80.5345



53.5674, 72.5715, 11.1844

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.



0.4203, 6.5458, 0.2670



16.1228, 6.5458, 80.5345



4.9287, 6.5458, 0.0000

Square

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



16.1228, 6.5458, 80.5345



20.8970, 6.5458, 0.0000



1.5295, 6.5458, 0.0000



0.7878, 6.5458, 51.5488

Rectangle

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



16.1228, 6.5458, 80.5345



26.5148, 6.5458, 9.0838



1.5295, 6.5458, 0.0000



0.1793, 6.5458, 5.4740

Sweetspot

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



16.1236, 6.5462, 80.5348



55.5800, 50.3489, 101.3967



36.2779, 48.0980, 87.4929



10.9856, 9.6514, 21.5339



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.



16.1236, 6.5462, 80.5348



19.0042, 7.7119, 95.0947



28.6221, 12.9894, 81.1197



14.4622, 14.6680, 18.9912



8.8755, 3.6114, 43.9722



0.7657, 0.3190, 3.4561

Inverse Universe

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



45.1158, 22.0808, 55.2974



53.2521, 26.0648, 65.1850



33.8472, 62.4053, 10.2615



15.6021, 15.2687, 18.4559



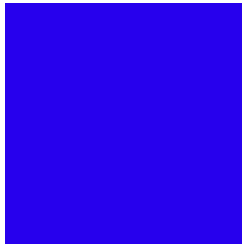
24.6733, 12.0720, 30.4104



1.9658, 0.9593, 2.5373

Previews

White Background



This preview shows how the XYZ color 16.1228, 6.5458, 80.5345 looks on a white background.

Color Contrast Check

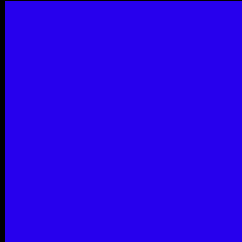
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1228, 6.5458, 80.5345 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 16.1228, 6.5458, 80.5345

Background



This preview shows how black text looks on a background with the XYZ color 16.1228, 6.5458, 80.5345.



This preview shows how white text looks on a background with the XYZ color 16.1228, 6.5458,

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

16.1228, 6.5458, 80.5345

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.3503, 6.6752, 20.6924



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

16.1228, 6.5458, 80.5345

Protanomaly

9.4600, 5.3063, 44.2417

Deuteranomaly

8.1210, 4.9604, 36.6058

Tritanomaly

6.2168, 4.4724, 25.7349

Monochromacy



Original Color

16.1228, 6.5458, 80.5345

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

4.0536, 2.2743, 15.2643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1228, 6.5458, 80.5345 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(39, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(39, 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(39, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 16.1228, 6.5458, 80.5345 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(39, 0, 237) }
```


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

```
.border{ border-color:rgb(39, 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(39, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(39, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.1228, 6.5458, 80.5345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 0, 237) }
```

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

```
.background{ background-color: rgb(39, 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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