

Converting Colors

XYZ(16.4229, 6.6106, 84.6118)

Have a look what the booklet for
XYZ(16.4229, 6.6106, 84.6118)
contains.

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Color

**XYZ(16.3804, 6.5930,
84.4136)**

Conversions

Conversions Part 1

Format	Color
Hex	1700F2
RGB	23, 0, 242
RGB Percent	9%, 0%, 95%
CMY	0.9097, 1.0000, 0.0510
CMYK	0.90, 1.00, 0.00, 0.05
HSL	246°, 100%, 47%
HSV	246°, 100%, 95%
XYZ	16.3804, 6.5930, 84.4136
YIQ	34.4650, -63.9740, 80.1380

Conversions

Conversions Part 2

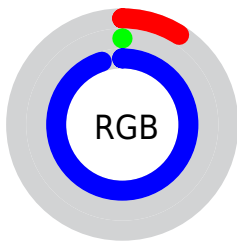
Format	Color
R _Y B	23, 0, 242
Decimal	1507570
CIE Lab	30.86, 76.26, -102.93
CIE LCh	31, 128.104, 306.532
Yxy	6.5930, 0.1525, 0.0614
Android (android.graphics.Color)	4279697650 (0xFF1700F2)
YUV	34.4650, 102.3148, -10.0548
Hunter-Lab	25.6768, 68.9386, -176.9444

Details

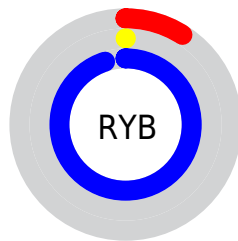
The XYZ color **16.3804, 6.5930, 84.4136** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **60.9542, 78.5586, 11.9507**, and the grayscale version is **1.4851, 1.5624, 1.7015**.

A 20% lighter version of the original color is **28.2662, 15.7379, 96.1557**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.3813, 6.5934, 84.4139**, and if you desaturate by 10%, it is **17.4371, 7.6288, 84.5581**.

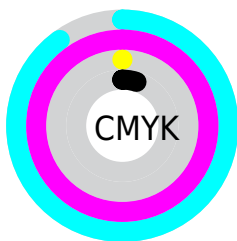
Distribution



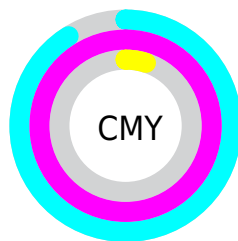
- Red (9%)
- Green (0%)
- Blue (95%)



- Red (9%)
- Yellow (0%)
- Blue (95%)



- Cyan (90%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (91%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3804, 6.5930, 84.4136 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 16.3804, 6.5930, 84.4136 by changing the saturation by 10% instead.

■ 16.3804, 6.5930,
84.4136

■ 16.3804, 6.5930,
84.4136

224.8026,
164.2377, 529.7796

■ 9.8863, 3.2089,
62.8096

■ 36.8095, 19.1496,
141.4205

■ 5.3853, 1.2417,
45.2472

■ 51.4752, 29.0909,
177.6604

■ 2.5121, 0.0954,
31.3078

■ 69.5954, 41.9868,
219.6161

■ 0.9014, 0.0000,
20.5729

■ 91.5356, 58.2215,
267.7061

■ 0.0000, 0.0000,
12.6240

■ 117.6610, 78.1796,
322.3489


■ 0.0000, 0.0000,
7.0425

■ 148.3371,


■ 0.0000, 0.0000,


102.2454, 383.9630

3.4098


 183.9292,
130.8033, 452.9671


 0.0000, 0.0000,
1.3075


 0.0000, 0.0000,
0.0679


 16.3804, 6.5930,
84.4136


 16.3804, 6.5930,
84.4136

 16.3813, 6.5934,
84.4139

 17.4371, 7.6288,
84.5581

 19.4036, 9.7449,
84.8629

 22.4771, 13.2339,
85.3744

 26.7915, 18.2784,
86.1207

■ 32.4616, 25.0331,
87.1256

■ 39.5887, 33.6337,
88.4101

■ 48.2647, 44.2024,
89.9928

■ 58.5736, 56.8507,
91.8908

■ 70.5934, 71.6820,
94.1200

Harmonies

Analogous

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



7.7231, 6.5930, 122.5996



16.3804, 6.5930, 84.4136



24.7990, 6.5930, 31.1692

Triad

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



16.3804, 6.5930, 84.4136



12.3145, 6.5930, 0.0000



0.1404, 6.5930, 11.8061

Complementary

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



16.3804, 6.5930, 84.4136



60.9542, 78.5586, 11.9507

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.



0.3788, 6.5930, 0.1535



16.3804, 6.5930, 84.4136



5.0056, 6.5930, 0.0000

Square

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



16.3804, 6.5930, 84.4136



21.5579, 6.5930, 0.0000



1.5114, 6.5930, 0.0000



0.7346, 6.5930, 52.7247

Rectangle

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



16.3804, 6.5930, 84.4136



27.2909, 6.5930, 9.4483



1.5114, 6.5930, 0.0000



0.1259, 6.5930, 5.3051

Sweetspot

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



16.3813, 6.5934, 84.4139



54.2670, 49.6720, 101.3352



42.1042, 58.5650, 93.0897



10.6856, 9.4968, 21.5198



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.



16.3813, 6.5934, 84.4139



18.4333, 7.4176, 95.0679



27.0400, 12.0882, 84.9128



15.0368, 15.3007, 19.8824



8.8497, 3.5676, 45.3501



0.7831, 0.3210, 3.7749

Inverse Universe

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



49.3992, 23.9898, 69.0185



55.6249, 27.0139, 77.6796



37.1004, 66.2616, 10.8344



16.3856, 16.0039, 19.5867



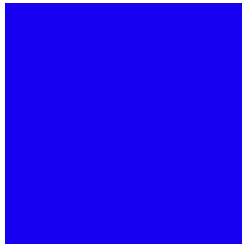
26.5655, 12.8986, 37.2243



2.2287, 1.0805, 3.1953

Previews

White Background



This preview shows how the XYZ color 16.3804, 6.5930, 84.4136 looks on a white background.

Color Contrast Check

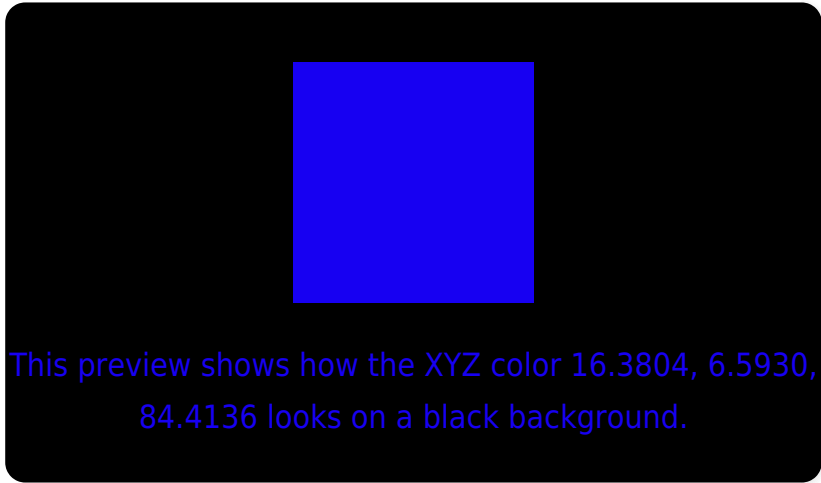
Large Text (above 18pt) WCAG AA ✓ Pass

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

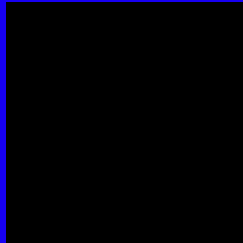
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3804, 6.5930, 84.4136

Background



This preview shows how black text looks on a background with the XYZ color 16.3804, 6.5930, 84.4136.



This preview shows how white text looks on a background with the XYZ color 16.3804, 6.5930,

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

16.3804, 6.5930, 84.4136

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.3503, 6.6752, 20.6924



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

16.3804, 6.5930, 84.4136

Protanomaly

9.5858, 5.3473, 45.3267

Deuteranomaly

8.2250, 4.9927, 37.5760

Tritanomaly

6.2861, 4.4908, 26.5221

Monochromacy



Original Color

16.3804, 6.5930, 84.4136

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

3.6368, 1.9756, 14.9415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3804, 6.5930, 84.4136 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(23, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(23, 0, 242)  
}
```

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(23, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 16.3804, 6.5930, 84.4136 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(23, 0, 242) }
```


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

```
.border{ border-color:rgb(23, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(23, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3804, 6.5930, 84.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 0, 242) }
```

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

```
.background{ background-color: rgb(23, 0,  
242) }
```

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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