

Converting Colors

XYZ(16.3002, 7.4353, 83.0141)

Have a look what the booklet for
XYZ(16.3002, 7.4353, 83.0141)
contains.

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Color

**XYZ(16.3002, 7.4353,
83.0141)**

Conversions

Conversions Part 1

Format	Color
Hex	0022F0
RGB	0, 34, 240
RGB Percent	0%, 13%, 94%
CMY	0.9997, 0.8667, 0.0588
CMYK	1.00, 0.86, 0.00, 0.06
HSL	232°, 100%, 47%
HSV	232°, 100%, 94%
XYZ	16.3002, 7.4353, 83.0141
YIQ	47.3180, -86.3900, 56.8580

Conversions

Conversions Part 2

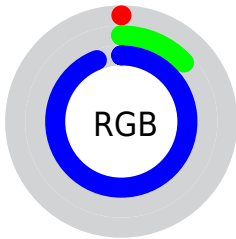
Format	Color
RYB	0, 30, 240
Decimal	8944
CIELab	32.78, 67.54, -98.61
CIELCh	33, 119.523, 304.409
Yxy	7.4353, 0.1527, 0.0697
Android (android.graphics.Color)	4278199024 (0xFF0022F0)
YUV	47.3180, 94.9922, -41.4979
Hunter-Lab	27.2677, 58.9857, -161.4154

Details

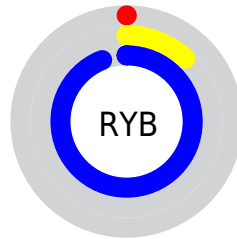
The XYZ color **16.3002, 7.4353, 83.0141** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **58.0254, 62.7049, 9.0469**, and the grayscale version is **2.6465, 2.7843, 3.0321**.

A 20% lighter version of the original color is **28.4480, 17.5204, 96.4901**, and **8.4435, 3.3774, 44.4628** is the 20% darker color. If you saturate the color by 10%, you get **16.2984, 7.4315, 83.0138**, and if you desaturate by 10%, it is **17.4537, 9.1807, 83.2905**.

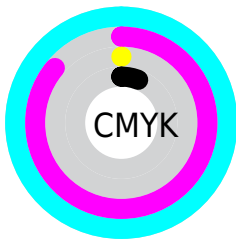
Distribution



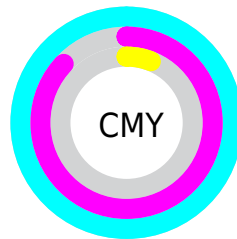
- Red (0%)
- Green (13%)
- Blue (94%)



- Red (0%)
- Yellow (12%)
- Blue (94%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (87%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3002, 7.4353, 83.0141 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 16.3002, 7.4353, 83.0141 by changing the saturation by 10% instead.

■ 16.3002, 7.4353,
83.0141

■ 16.3002, 7.4353,
83.0141

224.3424,
171.2332, 525.0057

■ 9.8290, 3.7358,
61.6611

■ 36.6718, 20.8437,
139.4446

■ 5.3471, 1.5269,
44.3249

■ 51.3030, 31.3214,
175.3592

■ 2.4892, 0.3075,
30.5869

■ 69.3849, 44.8273,
216.9648

■ 0.8898, 0.0000,
20.0287

■ 91.2828, 61.7457,
264.6798

■ 0.0000, 0.0000,
12.2316

■ 117.3622, 82.4612,
318.9229

■ 0.0000, 0.0000,
6.7772

■ 147.9884,

■ 0.0000, 0.0000,

107.3580, 380.1126

3.2468

183.5266,
136.8205, 448.6673

0.0000, 0.0000,
1.2220

0.0000, 0.0000,
0.0000

16.3002, 7.4353,
83.0141

16.3002, 7.4353,
83.0141

16.2984, 7.4315,
83.0138

17.4537, 9.1807,
83.2905

19.4804, 11.9813,
83.7243

22.5715, 16.0030,
84.3376

26.8530, 21.3692,
85.1477

■ 32.4326, 28.1877,
86.1697

■ 39.4058, 36.5550,
87.4173

■ 47.8590, 46.5593,
88.9028

■ 57.8715, 58.2822,
90.6378

■ 69.5168, 71.7997,
92.6332

Harmonies

Analogous

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



8.0348, 7.4353, 114.3109



16.3002, 7.4353, 83.0141



24.4630, 7.4353, 34.0302

Triad

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



16.3002, 7.4353, 83.0141



13.6559, 7.4353, 0.0000



0.5399, 7.4353, 11.0501

Complementary

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



16.3002, 7.4353, 83.0141



58.0254, 62.7049, 9.0469

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.



0.8174, 7.4353, 0.3417



16.3002, 7.4353, 83.0141



6.1803, 7.4353, 0.0000

Square

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



16.3002, 7.4353, 83.0141



22.4032, 7.4353, 0.0000



2.2099, 7.4353, 0.0000



1.0580, 7.4353, 47.4611

Rectangle

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



16.3002, 7.4353, 83.0141



27.1286, 7.4353, 11.9455



2.2099, 7.4353, 0.0000



0.5451, 7.4353, 5.1772

Sweetspot

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



16.3009, 7.4353, 83.0144



54.7907, 53.2756, 102.0032



42.0614, 66.6810, 67.7872



10.8055, 10.3155, 21.6715



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.



16.3009, 7.4353, 83.0144



18.6825, 8.4850, 95.2608



19.3891, 8.1796, 82.9953



15.0775, 15.5892, 19.9359



8.9783, 4.1809, 45.4617



0.8024, 0.4587, 3.8005

Inverse Universe

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



36.2247, 18.6422, 3.2018



41.5593, 21.3877, 3.6112



44.8755, 69.3909, 11.0305



15.8638, 15.7952, 16.8391



19.8575, 10.2154, 1.9001



1.6799, 0.8610, 0.3054

Previews

White Background



This preview shows how the XYZ color 16.3002, 7.4353, 83.0141 looks on a white background.

Color Contrast Check

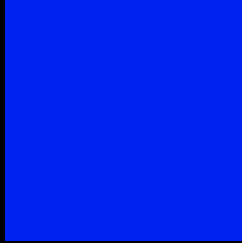
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3002, 7.4353, 83.0141 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 16.3002, 7.4353, 83.0141

Background



This preview shows how black text looks on a background with the XYZ color 16.3002, 7.4353, 83.0141.



This preview shows how white text looks on a background with the XYZ color 16.3002, 7.4353,

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

16.3002, 7.4353, 83.0141

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

6.9608, 7.2579, 22.8638



Tritanopia

5.0517, 7.2183, 10.5782

Trichromacy



Original Color

16.3002, 7.4353, 83.0141

Protanomaly

10.5336, 6.7158, 47.7548

Deuteranomaly

9.1282, 6.4953, 39.3007

Tritanomaly

6.9823, 5.9100, 27.1583

Monochromacy



Original Color

16.3002, 7.4353, 83.0141

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.5743, 3.2163, 17.2093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3002, 7.4353, 83.0141 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, 34, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 34, 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, 34, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 34, 240) }
```

Border

The CSS property to change the border of an element to XYZ 16.3002, 7.4353, 83.0141 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, 34, 240) }
```


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

```
.border{ border-color:rgb(0, 34, 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, 34, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 34, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 34, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 34, 240)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3002, 7.4353, 83.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 34, 240) }
```

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

```
.background{ background-color: rgb(0, 34,  
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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