

Converting Colors

XYZ(18.6240, 7.5373, 93.3833)

Have a look what the booklet for
XYZ(18.6240, 7.5373, 93.3833)
contains.

XYZ(18.6441, 7.5633, 93.4057)	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(18.6441, 7.5633,
93.4057)**

Conversions

Conversions Part 1

Format	Color
Hex	2900FD
RGB	41, 0, 253
RGB Percent	16%, 0%, 99%
CMY	0.8391, 1.0000, 0.0078
CMYK	0.84, 1.00, 0.00, 0.01
HSL	250°, 100%, 50%
HSV	250°, 100%, 99%
XYZ	18.6441, 7.5633, 93.4057
YIQ	41.1010, -56.7770, 87.3750

Conversions

Conversions Part 2

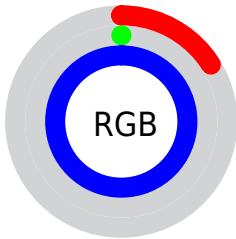
Format	Color
RYB	41, 0, 253
Decimal	2687229
CIELab	33.06, 79.07, -105.46
CIElCh	33, 131.805, 306.861
Yxy	7.5633, 0.1559, 0.0632
Android (android.graphics.Color)	4280877309 (0xFF2900FD)
YUV	41.1010, 104.4662, -0.0886
Hunter-Lab	27.5015, 72.8832, -182.1210

Details

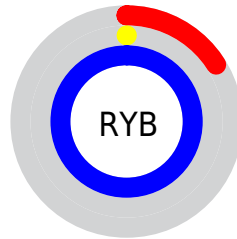
The XYZ color **18.6441, 7.5633, 93.4057** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **62.2700, 84.2444, 12.9788**, and the grayscale version is **2.0292, 2.1349, 2.3249**.

A 20% lighter version of the original color is **29.6385, 16.7309, 96.2750**, and **9.7376, 3.8950, 51.2775** is the 20% darker color. If you saturate the color by 10%, you get **18.6451, 7.5638, 93.4061**, and if you desaturate by 10%, it is **20.0843, 8.8313, 93.5749**.

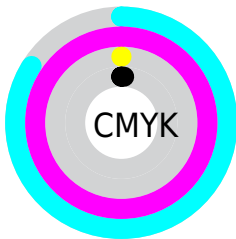
Distribution



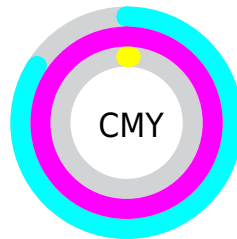
- Red (16%)
- Green (0%)
- Blue (99%)



- Red (16%)
- Yellow (0%)
- Blue (99%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



- Cyan (84%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6441, 7.5633, 93.4057 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 18.6441, 7.5633, 93.4057 by changing the saturation by 10% instead.

■ 18.6441, 7.5633,
93.4057

■ 18.6441, 7.5633,
93.4057

237.4529,
172.2655, 559.9017

■ 11.5159, 3.8168,
70.2192

■ 40.6534, 21.0978,
154.0367

■ 6.4848, 1.5716,
51.2274

■ 56.2651, 31.6545,
192.3184

■ 3.1855, 0.3384,
36.0116

■ 75.4355, 45.2502,
236.4688

■ 1.2526, 0.0000,
24.1534

■ 98.5297, 62.2691,
286.9065

■ 0.1473, 0.0000,
15.2342

■ 125.9132, 83.0957,
344.0502

■ 0.0000, 0.0000,
8.8355


■ 157.9513,


■ 0.0000, 0.0000,


108.1144, 408.3182

4.5387


 195.0094,
137.7095, 480.1292

 0.0000, 0.0000,
1.9253

 0.0000, 0.0000,
0.5087


 18.6441, 7.5633,
93.4057

 18.6441, 7.5633,
93.4057

 18.6451, 7.5638,
93.4061

 20.0843, 8.8313,
93.5749

 22.5005, 11.2828,
93.9207

 26.0880, 15.2271,
94.4930

 30.9797, 20.8597,
95.3223

■ 37.2894, 28.3460,
96.4348

■ 45.1187, 37.8314,
97.8530

■ 54.5591, 49.4468,
99.5974

■ 65.6952, 63.3117,
101.6867

■ 78.6054, 79.5367,
104.1380

Harmonies

Analogous

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



8.9172, 7.5633, 136.0981



18.6441, 7.5633, 93.4057



27.9896, 7.5633, 34.5192

Triad

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



18.6441, 7.5633, 93.4057



13.8708, 7.5633, 0.0000



0.2838, 7.5633, 13.7440

Complementary

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



18.6441, 7.5633, 93.4057



62.2700, 84.2444, 12.9788

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.



0.5195, 7.5633, 0.3636



18.6441, 7.5633, 93.4057



5.6993, 7.5633, 0.0000

Square

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



18.6441, 7.5633, 93.4057



24.2001, 7.5633, 0.0000



1.7641, 7.5633, 0.0000



0.9055, 7.5633, 59.6476

Rectangle

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



18.6441, 7.5633, 93.4057



30.6991, 7.5633, 10.5281



1.7641, 7.5633, 0.0000



0.2655, 7.5633, 6.3019

Sweetspot

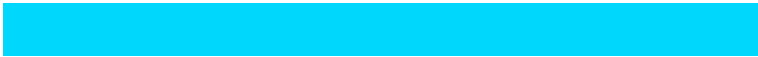
The Sweet Spot groups the original color and five complimentary colors.



18.6451, 7.5638, 93.4061



55.5319, 50.3241, 101.3944



42.0429, 55.7184, 101.4676



10.9746, 9.6458, 21.5333



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.



18.6451, 7.5638, 93.4061



18.9784, 7.6986, 95.0934



33.1326, 15.0324, 94.0841



17.2773, 17.5192, 22.7209



9.9969, 4.0641, 49.6921



1.0477, 0.4340, 4.8418

Inverse Universe

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



52.3889, 25.6350, 64.4588



53.3332, 26.0973, 65.6119



39.2022, 72.3525, 11.8993



18.6587, 18.2468, 22.0858



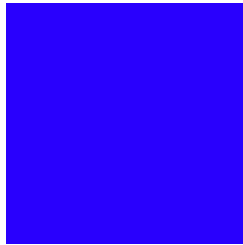
27.9149, 13.6552, 34.5319



2.7503, 1.3425, 3.5324

Previews

White Background



This preview shows how the XYZ color 18.6441, 7.5633, 93.4057 looks on a white background.

Color Contrast Check

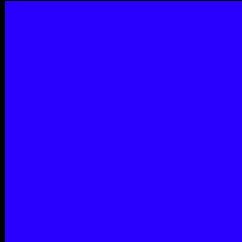
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6441, 7.5633, 93.4057 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 18.6441, 7.5633, 93.4057

Background



This preview shows how black text looks on a background with the XYZ color 18.6441, 7.5633, 93.4057.



This preview shows how white text looks on a background with the XYZ color 18.6441, 7.5633,

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

18.6441, 7.5633, 93.4057

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

18.6441, 7.5633, 93.4057

Protanomaly

10.8796, 6.0657, 51.0495

Deuteranomaly

9.4609, 5.7719, 42.7349

Tritanomaly

7.0682, 5.0359, 29.4537

Monochromacy



Original Color

18.6441, 7.5633, 93.4057

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

4.5539, 2.5182, 17.3856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6441, 7.5633, 93.4057 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(41, 0, 253)` looks like.

```
.text, #text, p{  
    color:rgb(41, 0, 253)  
}
```

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(41, 0, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 0, 253) }
```

Border

The CSS property to change the border of an element to XYZ 18.6441, 7.5633, 93.4057 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(41, 0, 253) }
```


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

```
.border{ border-color:rgb(41, 0, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 0, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(41, 0, 253)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6441, 7.5633, 93.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 0, 253) }
```

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

```
.background{ background-color: rgb(41, 0,  
253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor