

Converting Colors

XYZ(18.4093, 7.9382, 95.1690)

Have a look what the booklet for
XYZ(18.4093, 7.9382, 95.1690)
contains.

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Color

**XYZ(18.4194, 7.9588,
95.1731)**

Conversions

Conversions Part 1

Format	Color
Hex	001AFF
RGB	0, 26, 255
RGB Percent	0%, 10%, 100%
CMY	0.9997, 0.8981, 0.0000
CMYK	1.00, 0.90, 0.00, 0.00
HSL	234°, 100%, 50%
HSV	234°, 100%, 100%
XYZ	18.4194, 7.9588, 95.1731
YIQ	44.3320, -89.0050, 65.7070

Conversions

Conversions Part 2

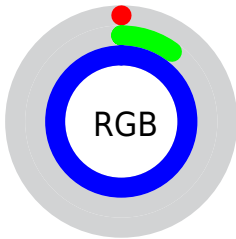
Format	Color
RYB	0, 24, 255
Decimal	6911
CIELab	33.90, 74.27, -105.20
CIELCh	34, 128.774, 305.223
Yxy	7.9588, 0.1515, 0.0655
Android (android.graphics.Color)	4278196991 (0xFF001AFF)
YUV	44.3320, 103.8593, -38.8792
Hunter-Lab	28.2113, 67.1741, -180.2713

Details

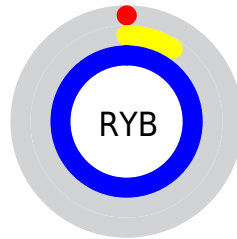
The XYZ color **18.4194, 7.9588, 95.1731** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **69.2843, 77.3479, 11.2802**, and the grayscale version is **2.3356, 2.4573, 2.6759**.

A 20% lighter version of the original color is **28.8130, 17.2477, 96.4183**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.4176, 7.9552, 95.1725**, and if you desaturate by 10%, it is **19.5592, 9.6220, 95.4341**.

Distribution



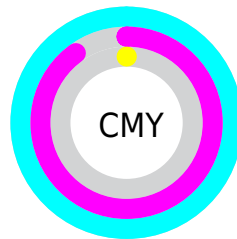
- Red (0%)
- Green (10%)
- Blue (100%)



- Red (0%)
- Yellow (9%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4194, 7.9588, 95.1731 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 18.4194, 7.9588, 95.1731 by changing the saturation by 10% instead.

■ 18.4194, 7.9588,
95.1731

■ 18.4194, 7.9588,
95.1731

236.2246,
175.4085, 565.7175

■ 11.3530, 4.0686,
71.6814

■ 40.2752, 21.8776,
156.5014

■ 6.3738, 1.7120,
52.4132

■ 55.7953, 32.6751,
195.1750

■ 3.1165, 0.4314,
36.9500

■ 74.8641, 46.5437,
239.7463

■ 1.2157, 0.0000,
24.8733

■ 97.8468, 63.8679,
290.6339

■ 0.1187, 0.0000,
15.7645

■ 125.1089, 85.0321,
348.2562

■ 0.0000, 0.0000,
9.2051


■ 157.0156,


■ 0.0000, 0.0000,


110.4206, 413.0319


4.7766


 193.9324,
140.4180, 485.3795


 0.0000, 0.0000,
2.0603


 0.0000, 0.0000,
0.5920


 18.4194, 7.9588,
95.1731


 18.4194, 7.9588,
95.1731

 18.4176, 7.9552,
95.1725

 19.5592, 9.6220,
95.4341

 21.7238, 12.5353,
95.8823

 25.1429, 16.9129,
96.5471

 29.9720, 22.9169,
97.4515

■ 36.3441, 30.6875,
98.6155

■ 44.3762, 40.3495,
100.0571

■ 54.1744, 52.0166,
101.7927

■ 65.8355, 65.7933,
103.8372

■ 79.4494, 81.7769,
106.2048

Harmonies

Analogous

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



8.8702, 7.9588, 133.8893



18.4194, 7.9588, 95.1731



27.8237, 7.9588, 37.3443

Triad

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



18.4194, 7.9588, 95.1731



14.8075, 7.9588, 0.0000



0.4362, 7.9588, 12.7129

Complementary

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



18.4194, 7.9588, 95.1731



69.2843, 77.3479, 11.2802

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.



0.7125, 7.9588, 0.3129



18.4194, 7.9588, 95.1731



6.3939, 7.9588, 0.0000

Square

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



18.4194, 7.9588, 95.1731



24.9792, 7.9588, 0.0000



2.1225, 7.9588, 0.0000



1.0086, 7.9588, 56.0633

Rectangle

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



18.4194, 7.9588, 95.1731



30.7913, 7.9588, 12.3272



2.1225, 7.9588, 0.0000



0.4341, 7.9588, 5.8123

Sweetspot

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



18.4201, 7.9588, 95.1731



54.1421, 51.9783, 101.7870



49.3869, 76.9709, 83.6734



10.6575, 10.0194, 21.6222



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.



18.4201, 7.9588, 95.1731



18.4176, 7.9552, 95.1725



23.0660, 9.8071, 95.2850



17.1515, 17.6747, 22.7575



9.6719, 4.2534, 49.7458



0.9886, 0.5080, 4.8592

Inverse Universe

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



41.4272, 21.3362, 2.9114



41.4255, 21.3342, 2.9071



49.7196, 78.7164, 12.5755



18.0844, 18.0171, 19.0615



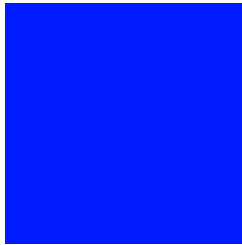
21.6701, 11.1573, 1.6474



2.1336, 1.0958, 0.2851

Previews

White Background



This preview shows how the XYZ color 18.4194, 7.9588, 95.1731 looks on a white background.

Color Contrast Check

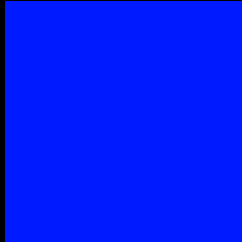
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4194, 7.9588, 95.1731 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 18.4194, 7.9588, 95.1731

Background



This preview shows how black text looks on a background with the XYZ color 18.4194, 7.9588, 95.1731.



This preview shows how white text looks on a background with the XYZ color 18.4194, 7.9588,

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

18.4194, 7.9588, 95.1731

Protanopia

9.0869, 7.8810, 34.7605

Deuteranopia

7.4612, 7.8122, 24.4072

Trichromacy



Original Color

18.4194, 7.9588, 95.1731

Protanomaly

11.3634, 6.9662, 52.3755

Deuteranomaly

9.8593, 6.6999, 43.4214

Monochromacy



Original Color

18.4194, 7.9588, 95.1731

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.5916, 2.9505, 18.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4194, 7.9588, 95.1731 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, 26, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 26, 255)  
}
```

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, 26, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 26, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.4194, 7.9588, 95.1731 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, 26, 255) }
```

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

```
.border{ border-color:rgb(0, 26, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 26, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 26, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 26, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 26, 255)  
}
```


Background

The CSS property to change the background color of an element to XYZ 18.4194, 7.9588, 95.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 26, 255) }
```

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

```
.background{ background-color: rgb(0, 26,  
255) }
```

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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