

Converting Colors

XYZ(18.5100, 7.9373, 95.1642)

Have a look what the booklet for
XYZ(18.5100, 7.9373, 95.1642)
contains.

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Color

**XYZ(18.5146, 7.9444,
95.1653)**

Conversions

Conversions Part 1

Format	Color
Hex	0B18FF
RGB	11, 24, 255
RGB Percent	4%, 9%, 100%
CMY	0.9566, 0.9059, 0.0000
CMYK	0.96, 0.91, 0.00, 0.00
HSL	237°, 100%, 52%
HSV	237°, 96%, 100%
XYZ	18.5146, 7.9444, 95.1653
YIQ	46.4470, -81.8990, 69.0850

Conversions

Conversions Part 2

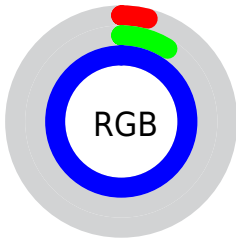
Format	Color
RYP	11, 23, 255
Decimal	727295
CIELab	33.87, 74.90, -105.24
CIElCh	34, 129.175, 305.438
Yxy	7.9444, 0.1522, 0.0653
Android (android.graphics.Color)	4278917375 (0xFF0B18FF)
YUV	46.4470, 102.8166, -31.0870
Hunter-Lab	28.1858, 67.9273, -180.4540

Details

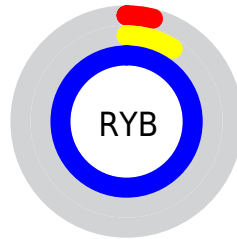
The XYZ color **18.5146, 7.9444, 95.1653** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **73.0772, 84.8371, 12.8423**, and the grayscale version is **2.5476, 2.6803, 2.9188**.

A 20% lighter version of the original color is **29.0185, 17.2424, 96.4064**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.2005, 7.5209, 95.1002**, and if you desaturate by 10%, it is **19.8601, 9.7305, 95.4392**.

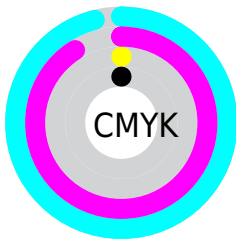
Distribution



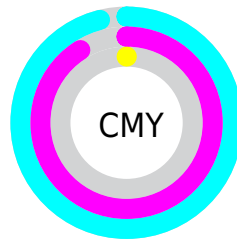
- Red (4%)
- Green (9%)
- Blue (100%)



- Red (4%)
- Yellow (9%)
- Blue (100%)



- Cyan (96%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5146, 7.9444, 95.1653 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 18.5146, 7.9444, 95.1653 by changing the saturation by 10% instead.

■ 18.5146, 7.9444,
95.1653

■ 18.5146, 7.9444,
95.1653

236.7457,
175.2953, 565.6919

■ 11.4220, 4.0594,
71.6749

■ 40.4355, 21.8494,
156.4905

■ 6.4208, 1.7068,
52.4079

■ 55.9945, 32.6381,
195.1624

■ 3.1457, 0.4281,
36.9459

■ 75.1064, 46.4969,
239.7319

■ 1.2313, 0.0000,
24.8701

■ 98.1364, 63.8101,
290.6175

■ 0.1308, 0.0000,
15.7622

■ 125.4500, 84.9622,
348.2377

■ 0.0000, 0.0000,
9.2035


■ 157.4125,


■ 0.0000, 0.0000,


110.3375, 413.0112


4.7755


 194.3893,
140.3204, 485.3564


 0.0000, 0.0000,
2.0597


 0.0000, 0.0000,
0.5917


 18.5146, 7.9444,
95.1653


 18.5146, 7.9444,
95.1653

 18.2005, 7.5209,
95.1002

 19.8601, 9.7305,
95.4392

 22.3768, 12.9182,
95.9218

 26.2565, 17.7192,
96.6440

 31.6560, 24.3094,
97.6315

■ 38.7105, 32.8418,
98.9066

■ 47.5405, 43.4528,
100.4893

■ 58.2551, 56.2666,
102.3979

■ 70.9547, 71.3978,
104.6492

■ 85.7325, 88.9529,
107.2588

Harmonies

Analogous

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



8.9160, 7.9444, 134.4567



18.5146, 7.9444, 95.1653



27.9337, 7.9444, 37.0847

Triad

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



18.5146, 7.9444, 95.1653



14.7411, 7.9444, 0.0000



0.4244, 7.9444, 12.8964

Complementary

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



18.5146, 7.9444, 95.1653



73.0772, 84.8371, 12.8423

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.



0.6955, 7.9444, 0.3284



18.5146, 7.9444, 95.1653



6.3328, 7.9444, 0.0000

Square

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



18.5146, 7.9444, 95.1653



24.9597, 7.9444, 0.0000



2.0884, 7.9444, 0.0000



1.0038, 7.9444, 56.6693

Rectangle

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



18.5146, 7.9444, 95.1653



30.8746, 7.9444, 12.1362



2.0884, 7.9444, 0.0000



0.4202, 7.9444, 5.9051

Sweetspot

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



18.5153, 7.9444, 95.1653



54.4597, 51.7337, 101.7230



51.4402, 77.8081, 93.7658



10.6870, 9.9133, 21.6001



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.



18.5153, 7.9444, 95.1653



18.2005, 7.5209, 95.1002



25.4760, 11.2271, 95.4320



17.0802, 17.5320, 22.7337



9.5415, 3.9925, 49.7023



0.9550, 0.4406, 4.8480

Inverse Universe

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



41.5252, 21.5668, 2.8376



41.3159, 21.2904, 2.3299



48.2694, 77.9618, 12.8228



18.0484, 18.0027, 18.8719



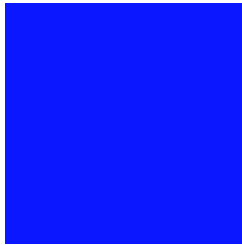
21.6043, 11.1310, 1.3007



2.1166, 1.0890, 0.1956

Previews

White Background



This preview shows how the XYZ color 18.5146, 7.9444, 95.1653 looks on a white background.

Color Contrast Check

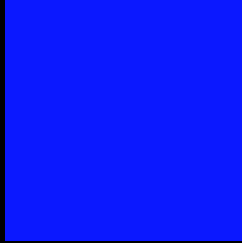
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5146, 7.9444, 95.1653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

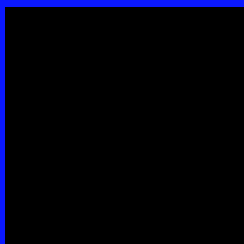
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5146, 7.9444, 95.1653

Background



This preview shows how black text looks on a background with the XYZ color 18.5146, 7.9444, 95.1653.



This preview shows how white text looks on a background with the XYZ color 18.5146, 7.9444,

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

18.5146, 7.9444, 95.1653

Protanopia

8.9296, 7.7069, 34.2747

Deuteranopia

7.4612, 7.8122, 24.4072



Tritanopia

5.4215, 7.7522, 11.3358

Trichromacy



Original Color

18.5146, 7.9444, 95.1653

Protanomaly

11.3635, 6.8922, 52.3612

Deuteranomaly

9.8555, 6.6180, 43.4058

Tritanomaly

7.5263, 6.0408, 30.0475

Monochromacy



Original Color

18.5146, 7.9444, 95.1653

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.8332, 3.1147, 18.7588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5146, 7.9444, 95.1653 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(11, 24, 255)` looks like.

```
.text, #text, p{  
    color:rgb(11, 24, 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(11, 24, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 24, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.5146, 7.9444, 95.1653 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(11, 24, 255) }
```


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

```
.border{ border-color:rgb(11, 24, 255) }
```

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

Here you see how a box with a 4 pixel rgb(11, 24, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 24, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 24, 255);  
box-shadow:4px 4px 4px 4px rgb(11, 24,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5146, 7.9444, 95.1653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 24, 255) }
```

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

```
.background{ background-color: rgb(11, 24,  
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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