

Converting Colors

XYZ(18.3208, 7.5465, 95.0979)

Have a look what the booklet for
XYZ(18.3208, 7.5465, 95.0979)
contains.

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Color

**XYZ(18.3331, 7.5611,
95.1009)**

Conversions

Conversions Part 1

Format	Color
Hex	0C0CFF
RGB	12, 12, 255
RGB Percent	5%, 5%, 100%
CMY	0.9527, 0.9530, 0.0000
CMYK	0.95, 0.95, 0.00, 0.00
HSL	240°, 100%, 52%
HSV	240°, 95%, 100%
XYZ	18.3331, 7.5611, 95.1009
YIQ	39.7020, -78.0030, 75.5730

Conversions

Conversions Part 2

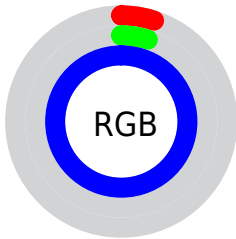
Format	Color
R _Y B	12, 12, 255
Decimal	789759
CIE Lab	33.05, 77.46, -106.61
CIE LCh	33, 131.778, 306.003
Yxy	7.5611, 0.1515, 0.0625
Android (android.graphics.Color)	4278979839 (0xFF0C0CFF)
YUV	39.7020, 106.1419, -24.2947
Hunter-Lab	27.4975, 70.8890, -185.8083

Details

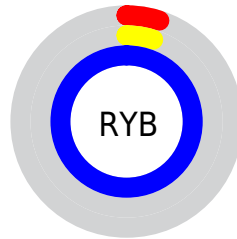
The XYZ color **18.3331, 7.5611, 95.1009** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **77.0320, 92.7889, 14.1971**, and the grayscale version is **1.9056, 2.0048, 2.1832**.

A 20% lighter version of the original color is **28.8028, 16.5998, 96.2938**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.0512, 7.2206, 95.0501**, and if you desaturate by 10%, it is **19.5097, 8.9767, 95.3122**.

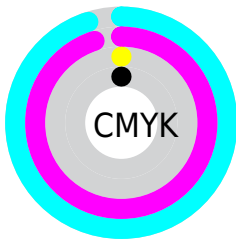
Distribution



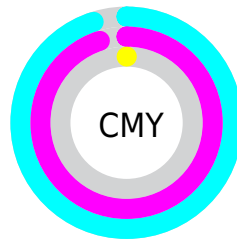
- Red (5%)
- Green (5%)
- Blue (100%)



- Red (5%)
- Yellow (5%)
- Blue (100%)



- Cyan (95%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)



- Cyan (95%)
- Magenta (95%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3331, 7.5611, 95.1009 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 18.3331, 7.5611, 95.1009 by changing the saturation by 10% instead.

■ 18.3331, 7.5611,
95.1009

■ 18.3331, 7.5611,
95.1009

235.7514,
172.2478, 565.4805

■ 11.2905, 3.8154,
71.6216

■ 40.1298, 21.0934,
156.4008

■ 6.3313, 1.5709,
52.3647

■ 55.6146, 31.6488,
195.0584

■ 3.0901, 0.3378,
36.9116

■ 74.6441, 45.2429,
239.6126

■ 1.2016, 0.0000,
24.8438

■ 97.5839, 62.2602,
290.4819

■ 0.1076, 0.0000,
15.7428

■ 124.7991, 83.0849,
348.0848


■ 0.0000, 0.0000,
9.1899


■ 156.6552,

■ 0.0000, 0.0000,


108.1014, 412.8398


4.7668


 193.5175,
137.6943, 485.1656

 0.0000, 0.0000,
2.0547

 0.0000, 0.0000,
0.5886


 18.3331, 7.5611,
95.1009


 18.3331, 7.5611,
95.1009

 18.0512, 7.2206,
95.0501

 19.5097, 8.9767,
95.3122

 21.8793, 11.8308,
95.7382

 25.6548, 16.3791,
96.4171

 31.0081, 22.8288,
97.3798

■ 38.0864, 31.3575,
98.6530

■ 47.0203, 42.1223,
100.2599

■ 57.9275, 55.2655,
102.2219

■ 70.9163, 70.9174,
104.5585

■ 86.0869, 89.1988,
107.2876

Harmonies

Analogous

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



8.6855, 7.5611, 136.4520



18.3331, 7.5611, 95.1009



27.7796, 7.5611, 35.8968

Triad

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



18.3331, 7.5611, 95.1009



14.1538, 7.5611, 0.0000



0.2785, 7.5611, 12.9491

Complementary

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



18.3331, 7.5611, 95.1009



77.0320, 92.7889, 14.1971

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.



0.5389, 7.5611, 0.2372



18.3331, 7.5611, 95.1009



5.8709, 7.5611, 0.0000

Square

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



18.3331, 7.5611, 95.1009



24.4600, 7.5611, 0.0000



1.8282, 7.5611, 0.0000



0.8758, 7.5611, 57.9021

Rectangle

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



18.3331, 7.5611, 95.1009



30.6535, 7.5611, 11.2171



1.8282, 7.5611, 0.0000



0.2687, 7.5611, 5.8311

Sweetspot

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



18.3338, 7.5610, 95.1009



53.6585, 50.1213, 101.4540



53.9613, 78.8180, 106.9771



10.5049, 9.5469, 21.5390



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.



18.3338, 7.5610, 95.1009



18.0512, 7.2206, 95.0501



27.9313, 12.5088, 95.5500



17.0037, 17.3781, 22.7081



9.4324, 3.7731, 49.6657



0.9186, 0.3675, 4.8358

Inverse Universe

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



59.4062, 28.7364, 96.9450



59.2743, 28.4737, 96.8974



45.5764, 76.5729, 12.7250



18.7924, 18.3003, 22.7901



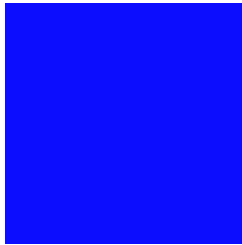
30.9722, 14.8782, 50.6317



3.0158, 1.4487, 4.9303

Previews

White Background



This preview shows how the XYZ color 18.3331, 7.5611, 95.1009 looks on a white background.

Color Contrast Check

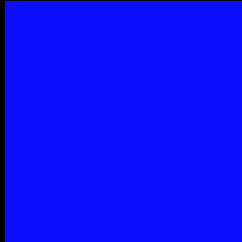
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3331, 7.5611, 95.1009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

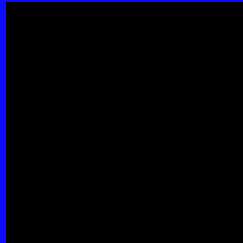
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3331, 7.5611, 95.1009

Background



This preview shows how black text looks on a background with the XYZ color 18.3331, 7.5611, 95.1009.



This preview shows how white text looks on a background with the XYZ color 18.3331, 7.5611,

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

18.3331, 7.5611, 95.1009

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1023, 7.4308, 23.2503



Tritanopia

5.1733, 7.3938, 10.8273

Trichromacy



Original Color

18.3331, 7.5611, 95.1009

Protanomaly

10.9037, 6.3321, 51.0996

Deuteranomaly

9.3521, 5.9325, 42.2472

Tritanomaly

7.1191, 5.3557, 29.5127

Monochromacy



Original Color

18.3331, 7.5611, 95.1009

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

4.2697, 2.5126, 17.3995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3331, 7.5611, 95.1009 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(12, 12, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 12, 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(12, 12, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 12, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.3331, 7.5611, 95.1009 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(12, 12, 255) }
```


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

```
.border{ border-color:rgb(12, 12, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 12, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 12, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 12, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 12,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3331, 7.5611, 95.1009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 12, 255) }
```

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

```
.background{ background-color: rgb(12, 12,  
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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