

Converting Colors

XYZ(18.4977, 8.1152, 95.1983)

Have a look what the booklet for
XYZ(18.4977, 8.1152, 95.1983)
contains.

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Color

**XYZ(18.4894, 8.0987,
95.1965)**

Conversions

Conversions Part 1

Format	Color
Hex	001DFF
RGB	0, 29, 255
RGB Percent	0%, 11%, 100%
CMY	0.9997, 0.8863, 0.0000
CMYK	1.00, 0.89, 0.00, 0.00
HSL	233°, 100%, 50%
HSV	233°, 100%, 100%
XYZ	18.4894, 8.0987, 95.1965
YIQ	46.0930, -89.8300, 64.1380

Conversions

Conversions Part 2

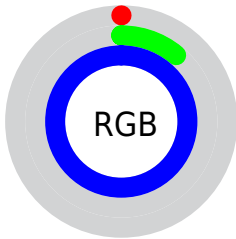
Format	Color
RYB	0, 26, 255
Decimal	7679
CIELab	34.19, 73.39, -104.71
CIELCh	34, 127.867, 305.024
Yxy	8.0987, 0.1518, 0.0665
Android (android.graphics.Color)	4278197759 (0xFF001DFF)
YUV	46.0930, 102.9912, -40.4236
Hunter-Lab	28.4582, 66.1702, -178.4122

Details

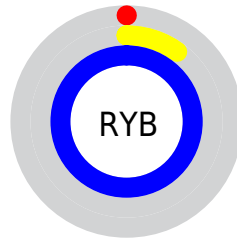
The XYZ color **18.4894, 8.0987, 95.1965** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **68.4621, 75.7035, 11.0062**, and the grayscale version is **2.5122, 2.6431, 2.8783**.

A 20% lighter version of the original color is **28.9661, 17.5537, 96.4693**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.4873, 8.0946, 95.1958**, and if you desaturate by 10%, it is **19.6754, 9.8542, 95.4728**.

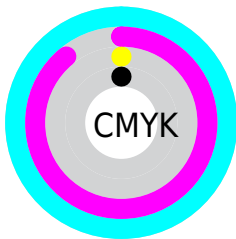
Distribution



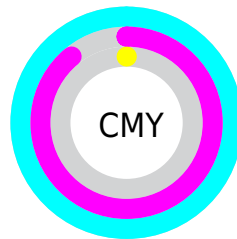
- Red (0%)
- Green (11%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4894, 8.0987, 95.1965 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 18.4894, 8.0987, 95.1965 by changing the saturation by 10% instead.

■ 18.4894, 8.0987,
95.1965

■ 18.4894, 8.0987,
95.1965

236.6079,
176.5041, 565.7943

■ 11.4037, 4.1582,
71.7007

■ 40.3931, 22.1517,
156.5340

■ 6.4084, 1.7624,
52.4289

■ 55.9418, 33.0330,
195.2127

■ 3.1379, 0.4636,
36.9625

■ 75.0423, 46.9966,
239.7896

■ 1.2271, 0.0000,
24.8829

■ 98.0598, 64.4270,
290.6831

■ 0.1276, 0.0000,
15.7716

■ 125.3598, 85.7086,
348.3118

■ 0.0000, 0.0000,
9.2101

■ 157.3075,

■ 0.0000, 0.0000,

111.2257, 413.0942

4.7798

194.2684,
141.3627, 485.4488

0.0000, 0.0000,
2.0622

0.0000, 0.0000,
0.5931

18.4894, 8.0987,
95.1965

18.4894, 8.0987,
95.1965

18.4873, 8.0946,
95.1958

19.6754, 9.8542,
95.4728

21.8818, 12.8508,
95.9349

25.3343, 17.2953,
96.6108

30.1857, 23.3437,
97.5226

■ 36.5666, 31.1316,
98.6895

■ 44.5921, 40.7801,
100.1288

■ 54.3663, 52.3992,
101.8564

■ 65.9848, 66.0904,
103.8867

■ 79.5359, 81.9481,
106.2333

Harmonies

Analogous

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



8.9558, 8.0987, 133.2106



18.4894, 8.0987, 95.1965



27.8846, 8.0987, 37.7653

Triad

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



18.4894, 8.0987, 95.1965



15.0192, 8.0987, 0.0000



0.4879, 8.0987, 12.7035

Complementary

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



18.4894, 8.0987, 95.1965



68.4621, 75.7035, 11.0062

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.



0.7678, 8.0987, 0.3463



18.4894, 8.0987, 95.1965



6.5631, 8.0987, 0.0000

Square

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



18.4894, 8.0987, 95.1965



25.1592, 8.0987, 0.0000



2.2207, 8.0987, 0.0000



1.0573, 8.0987, 55.6597

Rectangle

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



18.4894, 8.0987, 95.1965



30.8751, 8.0987, 12.6622



2.2207, 8.0987, 0.0000



0.4876, 8.0987, 5.8433

Sweetspot

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



18.4901, 8.0987, 95.1964



54.3325, 52.3591, 101.8504



49.3870, 76.9709, 83.6738



10.7009, 10.1062, 21.6366



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.



18.4901, 8.0987, 95.1964



18.4873, 8.0946, 95.1958



23.0663, 9.8073, 95.2850



17.1688, 17.7093, 22.7633



9.7125, 4.3345, 49.7593



0.9968, 0.5243, 4.8619

Inverse Universe

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



41.4625, 21.3504, 3.0973



41.4607, 21.3483, 3.0924



49.7200, 78.7166, 12.5756



18.0931, 18.0206, 19.1075



21.6906, 11.1655, 1.7553



2.1377, 1.0975, 0.3068

Previews

White Background



This preview shows how the XYZ color 18.4894, 8.0987, 95.1965 looks on a white background.

Color Contrast Check

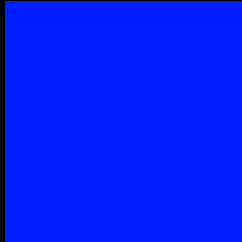
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4894, 8.0987, 95.1965 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 18.4894, 8.0987, 95.1965

Background



This preview shows how black text looks on a background with the XYZ color 18.4894, 8.0987, 95.1965.



This preview shows how white text looks on a background with the XYZ color 18.4894, 8.0987,

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

18.4894, 8.0987, 95.1965

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.5327, 7.8407, 24.7833



Tritanopia

5.5482, 7.9351, 11.5951

Trichromacy



Original Color

18.4894, 8.0987, 95.1965

Protanomaly

11.5797, 7.2172, 53.0073

Deuteranomaly

10.0157, 6.8503, 43.9744

Tritanomaly

7.6747, 6.2813, 30.5137

Monochromacy



Original Color

18.4894, 8.0987, 95.1965

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.7783, 3.1839, 18.7751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4894, 8.0987, 95.1965 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, 29, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 29, 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, 29, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 29, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.4894, 8.0987, 95.1965 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, 29, 255) }
```


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

```
.border{ border-color:rgb(0, 29, 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, 29, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 29, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 29, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 29, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4894, 8.0987, 95.1965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 29, 255) }
```

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

```
.background{ background-color: rgb(0, 29,  
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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