

Converting Colors

XYZ(18.7978, 8.6938, 95.2951)

Have a look what the booklet for
XYZ(18.7978, 8.6938, 95.2951)
contains.

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Color

**XYZ(18.7880, 8.6775,
95.2924)**

Conversions

Conversions Part 1

Format	Color
Hex	0127FF
RGB	1, 39, 255
RGB Percent	0%, 15%, 100%
CMY	0.9958, 0.8471, 0.0000
CMYK	1.00, 0.85, 0.00, 0.00
HSL	231°, 100%, 50%
HSV	231°, 100%, 100%
XYZ	18.7880, 8.6775, 95.2924
YIQ	52.2620, -91.9840, 59.1200

Conversions

Conversions Part 2

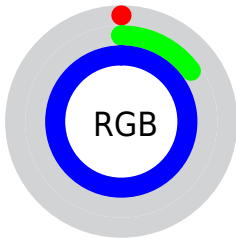
Format	Color
R_{YB}	1, 34, 255
Decimal	75775
CIE _{Lab}	35.36, 69.90, -102.76
CIE _{LCh}	35, 124.283, 304.224
Yxy	8.6775, 0.1530, 0.0707
Android (android.graphics.Color)	4278265855 (0xFF0127FF)
YUV	52.2620, 99.9498, -44.9568
Hunter-Lab	29.4576, 62.2962, -171.1769

Details

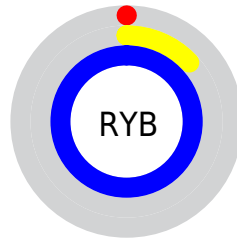
The XYZ color **18.7880, 8.6775, 95.2924** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **66.0792, 70.9291, 10.2387**, and the grayscale version is **3.1906, 3.3568, 3.6555**.

A 20% lighter version of the original color is **29.5368, 18.6952, 96.6595**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.7457, 8.6114, 95.2819**, and if you desaturate by 10%, it is **20.1427, 10.7512, 95.6213**.

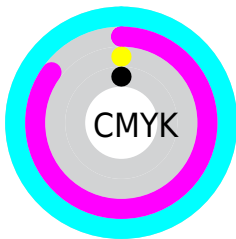
Distribution



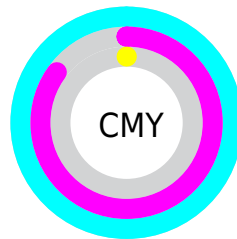
- Red (0%)
- Green (15%)
- Blue (100%)



- Red (0%)
- Yellow (13%)
- Blue (100%)



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7880, 8.6775, 95.2924 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 18.7880, 8.6775, 95.2924 by changing the saturation by 10% instead.


 18.7880, 8.6775,
95.2924


 18.7880, 8.6775,
95.2924


238.2365,
180.9535, 566.1089


 11.6203, 4.5314,
71.7801


 40.8952, 23.2763,
156.6676


 6.5560, 1.9751,
52.4934


 56.5654, 34.4978,
195.3675

 3.2299, 0.5929,
37.0135


 75.8005, 48.8466,
239.9671

 1.2765, 0.0000,
24.9221

 98.9658, 66.7071,
290.8850

 0.1655, 0.0000,
15.8005

 126.4267, 88.4636,
348.5395

 0.0000, 0.0000,
9.2303

 158.5486,

 0.0000, 0.0000,

114.5006, 413.3493

4.7928

195.6967,
145.2024, 485.7329

■ 0.0000, 0.0000,
2.0696

■ 0.0000, 0.0000,
0.5976

■ 18.7880, 8.6775,
95.2924

■ 18.7880, 8.6775,
95.2924

■ 18.7457, 8.6114,
95.2819

■ 20.1427, 10.7512,
95.6213

■ 22.5157, 14.0435,
96.1317

■ 26.1142, 18.7361,
96.8478

■ 31.0821, 24.9684,
97.7889

■ 37.5427, 32.8622,
98.9721

■ 45.6051, 42.5268,
100.4126

■ 55.3681, 54.0623,
102.1246

■ 66.9226, 67.5610,
104.1211

■ 80.3527, 83.1090,
106.4143

Harmonies

Analogous

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



9.3139, 8.6775, 130.5815



18.7880, 8.6775, 95.2924



28.1481, 8.6775, 39.4569

Triad

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



18.7880, 8.6775, 95.2924



15.8834, 8.6775, 0.0000



0.6945, 8.6775, 12.6925

Complementary

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



18.7880, 8.6775, 95.2924



66.0792, 70.9291, 10.2387

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.



0.9968, 8.6775, 0.4834



18.7880, 8.6775, 95.2924



7.2661, 8.6775, 0.0000

Square

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



18.7880, 8.6775, 95.2924



25.8916, 8.6775, 0.0000



2.6420, 8.6775, 0.0000



1.2685, 8.6775, 54.1389

Rectangle

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



18.7880, 8.6775, 95.2924



31.2273, 8.6775, 14.0442



2.6420, 8.6775, 0.0000



0.7017, 8.6775, 5.9835

Sweetspot

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



18.7887, 8.6775, 95.2924



54.9221, 53.5383, 102.0470



48.2862, 76.5320, 77.8121



10.8356, 10.3756, 21.6816



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.



18.7887, 8.6775, 95.2924



18.7457, 8.6114, 95.2819



22.2729, 9.4143, 95.2510



17.2219, 17.8154, 22.7810



9.8602, 4.6299, 49.8086



1.0216, 0.5740, 4.8702

Inverse Universe

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



41.6177, 21.4297, 3.8617



41.5912, 21.4005, 3.7791



51.5180, 79.6429, 12.6881



18.1199, 18.0313, 19.2485



21.7652, 11.1954, 2.1479



2.1503, 1.1025, 0.3728

Previews

White Background



This preview shows how the XYZ color 18.7880, 8.6775, 95.2924 looks on a white background.

Color Contrast Check

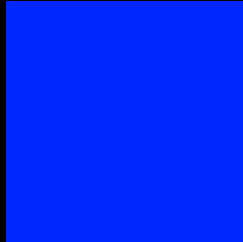
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7880, 8.6775, 95.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

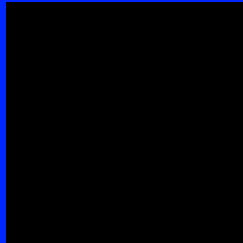
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7880, 8.6775, 95.2924

Background



This preview shows how black text looks on a background with the XYZ color 18.7880, 8.6775, 95.2924.



This preview shows how white text looks on a background with the XYZ color 18.7880, 8.6775,

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

18.7880, 8.6775, 95.2924

Protanopia

9.8437, 8.5273, 37.6863

Deuteranopia

8.1310, 8.4500, 26.7936



Tritanopia

5.9385, 8.4988, 12.3938

Trichromacy



Original Color

18.7880, 8.6775, 95.2924

Protanomaly

12.1991, 7.9041, 54.9155

Deuteranomaly

10.6144, 7.5531, 45.6982

Tritanomaly

8.2153, 7.0982, 31.5089

Monochromacy



Original Color

18.7880, 8.6775, 95.2924

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.4096, 3.8627, 20.1991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7880, 8.6775, 95.2924 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(1, 39, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 39, 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(1, 39, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 39, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.7880, 8.6775, 95.2924 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(1, 39, 255) }
```


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

```
.border{ border-color:rgb(1, 39, 255) }
```

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

Here you see how a box with a 4 pixel rgb(1, 39, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 39, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 39, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 39, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7880, 8.6775, 95.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 39, 255) }
```

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

```
.background{ background-color: rgb(1, 39,  
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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