

Converting Colors

XYZ(18.6133, 7.8984, 95.1513)

Have a look what the booklet for
XYZ(18.6133, 7.8984, 95.1513)
contains.

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Color

**XYZ(18.6274, 7.9158,
95.1539)**

Conversions

Conversions Part 1

Format	Color
Hex	1515FF
RGB	21, 21, 255
RGB Percent	8%, 8%, 100%
CMY	0.9175, 0.9177, 0.0000
CMYK	0.92, 0.92, 0.00, 0.00
HSL	240°, 100%, 54%
HSV	240°, 92%, 100%
XYZ	18.6274, 7.9158, 95.1539
YIQ	47.6760, -75.1140, 72.7740

Conversions

Conversions Part 2

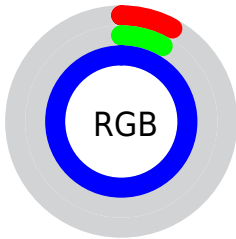
Format	Color
RYB	21, 21, 255
Decimal	1381887
CIELab	33.81, 75.74, -105.34
CIELCh	34, 129.745, 305.718
Yxy	7.9158, 0.1531, 0.0650
Android (android.graphics.Color)	4279571967 (0xFF1515FF)
YUV	47.6760, 102.2107, -23.3949
Hunter-Lab	28.1350, 68.9434, -180.8268

Details

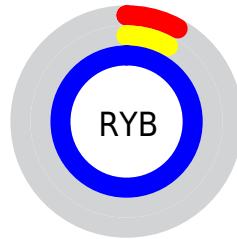
The XYZ color **18.6274, 7.9158, 95.1539** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **77.1153, 92.8238, 14.5612**, and the grayscale version is **2.6749, 2.8142, 3.0647**.

A 20% lighter version of the original color is **29.2308, 17.2424, 96.3952**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.0507, 7.2204, 95.0500**, and if you desaturate by 10%, it is **20.1971, 9.8057, 95.4359**.

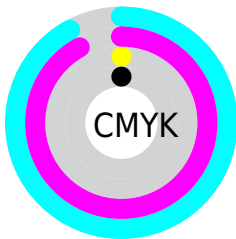
Distribution



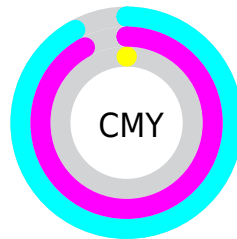
- Red (8%)
- Green (8%)
- Blue (100%)



- Red (8%)
- Yellow (8%)
- Blue (100%)



- Cyan (92%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)



- Cyan (92%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6274, 7.9158, 95.1539 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 18.6274, 7.9158, 95.1539 by changing the saturation by 10% instead.

 18.6274, 7.9158,
95.1539


 18.6274, 7.9158,
95.1539


237.3618,
175.0701, 565.6545


 11.5038, 4.0411,
71.6655


 40.6253, 21.7932,
156.4746


 6.4765, 1.6966,
52.4003


 56.2303, 32.5647,
195.1440


 3.1803, 0.4214,
36.9398


 75.3931, 46.4040,
239.7108

 1.2498, 0.0000,
24.8655

 98.4790, 63.6954,
290.5935

 0.1452, 0.0000,
15.7587

 125.8535, 84.8233,
348.2106


 0.0000, 0.0000,
9.2011


 157.8819,


 0.0000, 0.0000,


110.1721, 412.9809


4.7740


 194.9296,
140.1262, 485.3226


 0.0000, 0.0000,
2.0589


 0.0000, 0.0000,
0.5911

 18.6274, 7.9158,
95.1539


 18.6274, 7.9158,
95.1539

 18.0507, 7.2204,
95.0500

 20.1971, 9.8057,
95.4359

 23.0413, 13.2320,
95.9474

 27.3557, 18.4300,
96.7233

 33.3024, 25.5951,
97.7929

■ 41.0221, 34.8968,
99.1814

■ 50.6406, 46.4866,
100.9115

■ 62.2719, 60.5022,
103.0037

■ 76.0214, 77.0703,
105.4770

■ 91.9869, 96.3089,
108.3490

Harmonies

Analogous

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



8.9663, 7.9158, 135.2145



18.6274, 7.9158, 95.1539



28.0655, 7.9158, 36.7327

Triad

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



18.6274, 7.9158, 95.1539



14.6428, 7.9158, 0.0000



0.4057, 7.9158, 13.1267

Complementary

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



18.6274, 7.9158, 95.1539



77.1153, 92.8238, 14.5612

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.



0.6702, 7.9158, 0.3449



18.6274, 7.9158, 95.1539



6.2448, 7.9158, 0.0000

Square

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



18.6274, 7.9158, 95.1539



24.9217, 7.9158, 0.0000



2.0394, 7.9158, 0.0000



0.9941, 7.9158, 57.4575

Rectangle

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



18.6274, 7.9158, 95.1539



30.9713, 7.9158, 11.8772



2.0394, 7.9158, 0.0000



0.3988, 7.9158, 6.0188

Sweetspot

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



18.6281, 7.9158, 95.1538



54.7829, 51.4781, 101.6566



54.1190, 78.8993, 106.9845



10.7159, 9.8015, 21.5770



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.



18.6281, 7.9158, 95.1538



18.0507, 7.2204, 95.0500



28.7981, 13.1586, 95.6298



17.0035, 17.3780, 22.7081



9.4321, 3.7729, 49.6657



0.9185, 0.3674, 4.8358

Inverse Universe

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



59.5492, 29.0124, 97.0232



59.2805, 28.4762, 96.9298



46.3754, 76.9768, 13.1226



18.7926, 18.3003, 22.7908



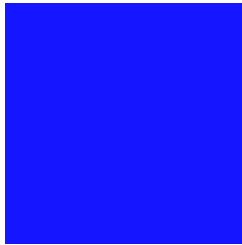
30.9754, 14.8795, 50.6484



3.0160, 1.4488, 4.9318

Previews

White Background



This preview shows how the XYZ color 18.6274, 7.9158, 95.1539 looks on a white background.

Color Contrast Check

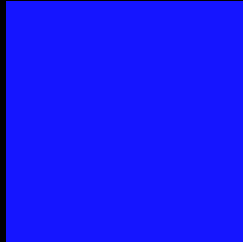
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6274, 7.9158, 95.1539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

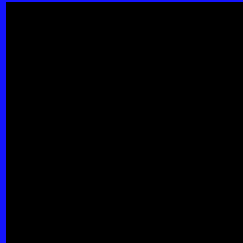
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6274, 7.9158, 95.1539

Background



This preview shows how black text looks on a background with the XYZ color 18.6274, 7.9158, 95.1539.



This preview shows how white text looks on a background with the XYZ color 18.6274, 7.9158,

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

18.6274, 7.9158, 95.1539

Protanopia

8.9296, 7.7069, 34.2747

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.4215, 7.7522, 11.3358

Trichromacy



Original Color

18.6274, 7.9158, 95.1539

Protanomaly

11.3646, 6.8201, 52.3472

Deuteranomaly

9.8008, 6.4342, 43.3732

Tritanomaly

7.5194, 5.9528, 30.0308

Monochromacy



Original Color

18.6274, 7.9158, 95.1539

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

5.0676, 3.2284, 19.0949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6274, 7.9158, 95.1539 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(21, 21, 255)` looks like.

```
.text, #text, p{  
    color:rgb(21, 21, 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(21, 21, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 21, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.6274, 7.9158, 95.1539 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(21, 21, 255) }
```


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

```
.border{ border-color:rgb(21, 21, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 21, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 21, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 21, 255);  
box-shadow:4px 4px 4px 4px rgb(21, 21,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6274, 7.9158, 95.1539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 21, 255) }
```

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

```
.background{ background-color: rgb(21, 21,  
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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