

Converting Colors

XYZ(18.7936, 8.1160, 95.1837)

Have a look what the booklet for
XYZ(18.7936, 8.1160, 95.1837)
contains.

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Color

**XYZ(18.7985, 8.1219,
95.1846)**

Conversions

Conversions Part 1

Format	Color
Hex	1919FF
RGB	25, 25, 255
RGB Percent	10%, 10%, 100%
CMY	0.9018, 0.9020, 0.0000
CMYK	0.90, 0.90, 0.00, 0.00
HSL	240°, 100%, 55%
HSV	240°, 90%, 100%
XYZ	18.7985, 8.1219, 95.1846
YIQ	51.2200, -73.8300, 71.5300

Conversions

Conversions Part 2

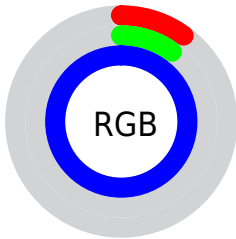
Format	Color
RYB	25, 25, 255
Decimal	1645055
CIELab	34.24, 74.78, -104.62
CIELCh	34, 128.601, 305.557
Yxy	8.1219, 0.1540, 0.0665
Android (android.graphics.Color)	4279835135 (0xFF1919FF)
YUV	51.2200, 100.4635, -22.9949
Hunter-Lab	28.4989, 67.8692, -178.0754

Details

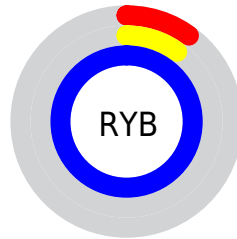
The XYZ color **18.7985, 8.1219, 95.1846** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **77.1566, 92.8405, 14.7724**, and the grayscale version is **3.0664, 3.2260, 3.5132**.

A 20% lighter version of the original color is **29.5247, 17.6146, 96.4516**, 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 **20.5533, 10.2348, 95.5000**.

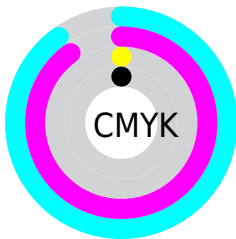
Distribution



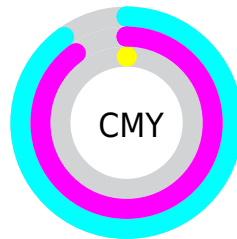
- Red (10%)
- Green (10%)
- Blue (100%)



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



- Cyan (90%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7985, 8.1219, 95.1846 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 18.7985, 8.1219, 95.1846 by changing the saturation by 10% instead.

■ 18.7985, 8.1219,
95.1846

■ 18.7985, 8.1219,
95.1846

238.2936,
176.6850, 565.7552

■ 11.6279, 4.1730,
71.6909

■ 40.9128, 22.1971,
156.5174

■ 6.5612, 1.7708,
52.4209

■ 56.5873, 33.0922,
195.1935

■ 3.2331, 0.4689,
36.9561

■ 75.8271, 47.0715,
239.7676

■ 1.2782, 0.0000,
24.8780

■ 98.9976, 64.5194,
290.6581

■ 0.1668, 0.0000,
15.7680

■ 126.4642, 85.8203,
348.2835

■ 0.0000, 0.0000,
9.2076

■ 158.5921,

■ 0.0000, 0.0000,

111.3586, 413.0625

4.7782

195.7468,
141.5187, 485.4136

0.0000, 0.0000,
2.0612

0.0000, 0.0000,
0.5926

18.7985, 8.1219,
95.1846

18.7985, 8.1219,
95.1846

18.0507, 7.2204,
95.0500

20.5533, 10.2348,
95.5000

23.6162, 13.9247,
96.0508

28.1765, 19.4191,
96.8709

34.3924, 26.9086,
97.9890

■ 42.4020, 36.5596,
99.4296

■ 52.3289, 48.5212,
101.2152

■ 64.2858, 62.9290,
103.3660

■ 78.3766, 79.9084,
105.9007

■ 94.6982, 99.5761,
108.8367

Harmonies

Analogous

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



9.1297, 8.1219, 134.5296



18.7985, 8.1219, 95.1846



28.2317, 8.1219, 37.2074

Triad

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



18.7985, 8.1219, 95.1846



14.9241, 8.1219, 0.0000



0.4777, 8.1219, 13.2331

Complementary

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



18.7985, 8.1219, 95.1846



77.1566, 92.8405, 14.7724

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.



0.7443, 8.1219, 0.4065



18.7985, 8.1219, 95.1846



6.4627, 8.1219, 0.0000

Square

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



18.7985, 8.1219, 95.1846



25.1864, 8.1219, 0.0000



2.1656, 8.1219, 0.0000



1.0657, 8.1219, 57.2212

Rectangle

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



18.7985, 8.1219, 95.1846



31.1552, 8.1219, 12.2589



2.1656, 8.1219, 0.0000



0.4724, 8.1219, 6.1296

Sweetspot

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



18.7992, 8.1219, 95.1846



55.9304, 52.8609, 101.8631



54.2106, 78.9465, 106.9887



11.1508, 10.3255, 21.6553



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.



18.7992, 8.1219, 95.1846



18.0507, 7.2204, 95.0500



29.2115, 13.4896, 95.6719



17.0035, 17.3780, 22.7081



9.4320, 3.7729, 49.6657



0.9185, 0.3674, 4.8358

Inverse Universe

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



59.6292, 29.1714, 97.0527



59.2809, 28.4764, 96.9322



46.7495, 77.1650, 13.3494



18.7926, 18.3003, 22.7908



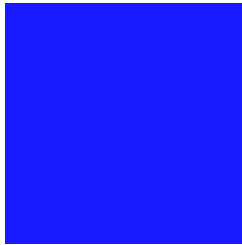
30.9756, 14.8796, 50.6496



3.0160, 1.4488, 4.9319

Previews

White Background



This preview shows how the XYZ color 18.7985, 8.1219, 95.1846 looks on a white background.

Color Contrast Check

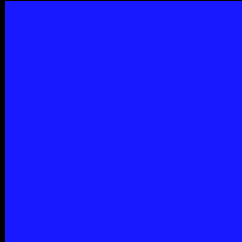
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7985, 8.1219, 95.1846 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 18.7985, 8.1219, 95.1846

Background



This preview shows how black text looks on a background with the XYZ color 18.7985, 8.1219, 95.1846.



This preview shows how white text looks on a background with the XYZ color 18.7985, 8.1219,

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

18.7985, 8.1219, 95.1846

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.5327, 7.8407, 24.7833



Tritanopia

5.5482, 7.9351, 11.5951

Trichromacy



Original Color

18.7985, 8.1219, 95.1846

Protanomaly

11.5895, 7.0697, 52.9783

Deuteranomaly

10.0196, 6.6909, 43.9434

Tritanomaly

7.7284, 6.2215, 30.4993

Monochromacy



Original Color

18.7985, 8.1219, 95.1846

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.4845, 3.6288, 19.8134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7985, 8.1219, 95.1846 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(25, 25, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 25, 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(25, 25, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 25, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.7985, 8.1219, 95.1846 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(25, 25, 255) }
```


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

```
.border{ border-color:rgb(25, 25, 255) }
```

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

Here you see how a box with a 4 pixel rgb(25, 25, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 25, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 25, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 25,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7985, 8.1219, 95.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 25, 255) }
```

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

```
.background{ background-color: rgb(25, 25,  
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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