

Converting Colors

XYZ(18.1850, 7.4899, 95.0950)

Have a look what the booklet for
XYZ(18.1850, 7.4899, 95.0950)
contains.

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Color

**XYZ(18.1815, 7.4829,
95.0938)**

Conversions

Conversions Part 1

Format	Color
Hex	000CFF
RGB	0, 12, 255
RGB Percent	0%, 5%, 100%
CMY	0.9997, 0.9530, 0.0000
CMYK	1.00, 0.95, 0.00, 0.00
HSL	237°, 100%, 50%
HSV	237°, 100%, 100%
XYZ	18.1815, 7.4829, 95.0938
YIQ	36.1140, -85.1550, 73.0290

Conversions

Conversions Part 2

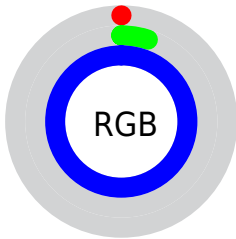
Format	Color
RYB	0, 11, 255
Decimal	3327
CIELab	32.88, 77.40, -106.89
CIELCh	33, 131.972, 305.906
Yxy	7.4829, 0.1506, 0.0620
Android (android.graphics.Color)	4278193407 (0xFF000CFF)
YUV	36.1140, 107.9108, -31.6720
Hunter-Lab	27.3549, 70.7694, -186.9614

Details

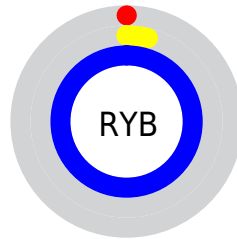
The XYZ color **18.1815, 7.4829, 95.0938** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **73.3234, 85.4261, 12.6267**, and the grayscale version is **1.6084, 1.6922, 1.8428**.

A 20% lighter version of the original color is **28.5196, 16.4538, 96.2805**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.1802, 7.4804, 95.0934**, and if you desaturate by 10%, it is **19.1049, 8.7132, 95.2826**.

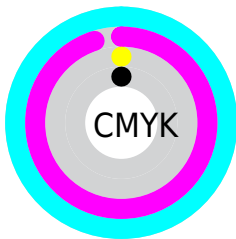
Distribution



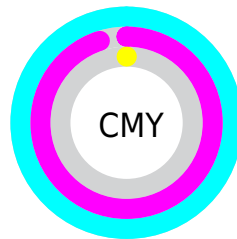
- Red (0%)
- Green (5%)
- Blue (100%)



- Red (0%)
- Yellow (4%)
- Blue (100%)



- Cyan (100%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (95%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1815, 7.4829, 95.0938 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 18.1815, 7.4829, 95.0938 by changing the saturation by 10% instead.

 18.1815, 7.4829,
95.0938


 18.1815, 7.4829,
95.0938


234.9179,
171.6180, 565.4572


 11.1809, 3.7659,
71.6157


 39.8740, 20.9383,
156.3909


 6.2568, 1.5435,
52.3599


 55.2966, 31.4455,
195.0470


 3.0440, 0.3190,
36.9078


 74.2572, 44.9848,
239.5995

 1.1771, 0.0000,
24.8409

 97.1212, 61.9407,
290.4669

 0.0881, 0.0000,
15.7406

 124.2539, 82.6976,
348.0679


 0.0000, 0.0000,
9.1884


 156.0207,


 0.0000, 0.0000,


107.6399, 412.8209


4.7658


 192.7869,
137.1519, 485.1445


 0.0000, 0.0000,
2.0542


 0.0000, 0.0000,
0.5883


 18.1815, 7.4829,
95.0938


 18.1815, 7.4829,
95.0938

 18.1802, 7.4804,
95.0934

 19.1049, 8.7132,
95.2826

 21.0666, 11.2203,
95.6631

 24.3180, 15.2625,
96.2720

 29.0304, 21.0329,
97.1374

■ 35.3490, 28.6963,
98.2836

■ 43.4013, 38.3982,
99.7318

■ 53.3019, 50.2700,
101.5015

■ 65.1558, 64.4320,
103.6103

■ 79.0600, 80.9958,
106.0746

Harmonies

Analogous

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



8.5780, 7.4829, 136.3061



18.1815, 7.4829, 95.0938



27.6177, 7.4829, 35.8892

Triad

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



18.1815, 7.4829, 95.0938



14.0820, 7.4829, 0.0000



0.2554, 7.4829, 12.7547

Complementary

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



18.1815, 7.4829, 95.0938



73.3234, 85.4261, 12.6267

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.



0.5190, 7.4829, 0.1970



18.1815, 7.4829, 95.0938



5.8238, 7.4829, 0.0000

Square

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



18.1815, 7.4829, 95.0938



24.3578, 7.4829, 0.0000



1.8011, 7.4829, 0.0000



0.8505, 7.4829, 57.5174

Rectangle

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



18.1815, 7.4829, 95.0938



30.5052, 7.4829, 11.1969



1.8011, 7.4829, 0.0000



0.2465, 7.4829, 5.7092

Sweetspot

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



18.1822, 7.4828, 95.0938



53.2671, 50.2283, 101.4953



51.8262, 77.9466, 96.5183



10.4587, 9.6219, 21.5559



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.



18.1822, 7.4828, 95.0938



18.1802, 7.4804, 95.0934



25.0942, 10.8527, 95.3799



17.0710, 17.5135, 22.7307



9.5284, 3.9663, 49.6980



0.9506, 0.4319, 4.8465

Inverse Universe

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



41.3071, 21.2883, 2.2789



41.3057, 21.2863, 2.2761



46.6241, 77.1206, 12.4308



18.0437, 18.0008, 18.8474



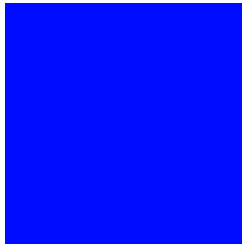
21.5977, 11.1284, 1.2659



2.1144, 1.0881, 0.1840

Previews

White Background



This preview shows how the XYZ color 18.1815, 7.4829, 95.0938 looks on a white background.

Color Contrast Check

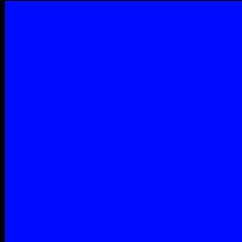
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1815, 7.4829, 95.0938 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 18.1815, 7.4829, 95.0938

Background



This preview shows how black text looks on a background with the XYZ color 18.1815, 7.4829, 95.0938.



This preview shows how white text looks on a background with the XYZ color 18.1815, 7.4829,

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

18.1815, 7.4829, 95.0938

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1023, 7.4308, 23.2503



Tritanopia

5.1733, 7.3938, 10.8273

Trichromacy



Original Color

18.1815, 7.4829, 95.0938

Protanomaly

10.8536, 6.3062, 51.0973

Deuteranomaly

9.3020, 5.9067, 42.2448

Tritanomaly

7.0690, 5.3299, 29.5104

Monochromacy



Original Color

18.1815, 7.4829, 95.0938

Achromatopsia

1.6769, 1.7642, 1.9212

Achromatomaly

3.8977, 2.2270, 16.7474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1815, 7.4829, 95.0938 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, 12, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 12, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 12, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.1815, 7.4829, 95.0938 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, 12, 255) }
```


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

```
.border{ border-color:rgb(0, 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(0, 12, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 12, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 12, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 12, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1815, 7.4829, 95.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 12, 255) }
```

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

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