

Converting Colors

XYZ(18.5641, 7.4850, 95.0741)

Have a look what the booklet for
XYZ(18.5641, 7.4850, 95.0741)
contains.

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Color

**XYZ(18.5567, 7.4812,
95.0737)**

Conversions

Conversions Part 1

Format	Color
Hex	1D00FF
RGB	29, 0, 255
RGB Percent	11%, 0%, 100%
CMY	0.8861, 1.0000, 0.0000
CMYK	0.89, 1.00, 0.00, 0.00
HSL	247°, 100%, 50%
HSV	247°, 100%, 100%
XYZ	18.5567, 7.4812, 95.0737
YIQ	37.7410, -64.5710, 85.4530

Conversions

Conversions Part 2

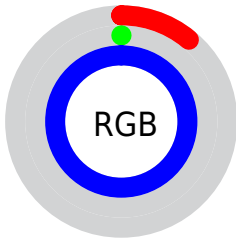
Format	Color
RYB	29, 0, 255
Decimal	1900799
CIELab	32.88, 79.38, -106.89
CIElCh	33, 133.139, 306.600
Yxy	7.4812, 0.1532, 0.0618
Android (android.graphics.Color)	4280090879 (0xFF1D00FF)
YUV	37.7410, 107.1087, -7.6659
Hunter-Lab	27.3518, 73.2369, -186.9434

Details

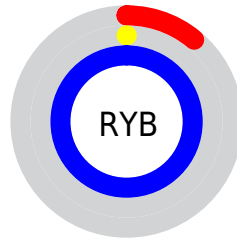
The XYZ color **18.5567, 7.4812, 95.0737** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **67.1133, 87.6832, 13.3873**, and the grayscale version is **1.7387, 1.8292, 1.9920**.

A 20% lighter version of the original color is **29.1198, 16.3668, 96.2321**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.5577, 7.4817, 95.0738**, and if you desaturate by 10%, it is **19.8057, 8.6571, 95.2349**.

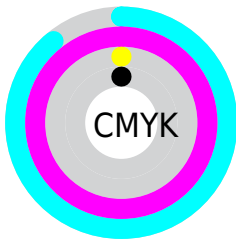
Distribution



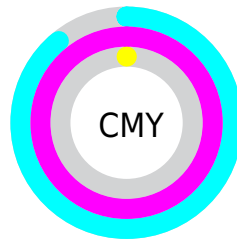
- Red (11%)
- Green (0%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5567, 7.4812, 95.0737 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 18.5567, 7.4812, 95.0737 by changing the saturation by 10% instead.

■ 18.5567, 7.4812,
95.0737

■ 18.5567, 7.4812,
95.0737

236.9758,
171.6043, 565.3913

■ 11.4525, 3.7648,
71.5991

■ 40.5064, 20.9349,
156.3629

■ 6.4416, 1.5429,
52.3464

■ 56.0825, 31.4410,
195.0145

■ 3.1586, 0.3186,
36.8971

■ 75.2134, 44.9792,
239.5623

■ 1.2382, 0.0000,
24.8327

■ 98.2644, 61.9338,
290.4246

■ 0.1362, 0.0000,
15.7346

■ 125.6007, 82.6892,
348.0202


■ 0.0000, 0.0000,
9.1842


■ 157.5878,


■ 0.0000, 0.0000,


107.6298, 412.7674

4.7631


 194.5911,
137.1400, 485.0850

 0.0000, 0.0000,
2.0526


 0.0000, 0.0000,
0.5874


 18.5567, 7.4812,
95.0737

 18.5567, 7.4812,
95.0737

 18.5577, 7.4817,
95.0738

 19.8057, 8.6571,
95.2349

 22.0754, 11.0525,
95.5776

 25.5800, 14.9898,
96.1528

 30.4670, 20.6745,
96.9925

■ 36.8624, 28.2805,
98.1236

■ 44.8780, 37.9604,
99.5695

■ 54.6151, 49.8515,
101.3515

■ 66.1662, 64.0790,
103.4889

■ 79.6177, 80.7591,
105.9995

Harmonies

Analogous

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



8.7752, 7.4812, 138.1730



18.5567, 7.4812, 95.0737



28.0450, 7.4812, 35.1119

Triad

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



18.5567, 7.4812, 95.0737



13.9207, 7.4812, 0.0000



0.2309, 7.4812, 13.4373

Complementary

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



18.5567, 7.4812, 95.0737



67.1133, 87.6832, 13.3873

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.



0.4767, 7.4812, 0.2663



18.5567, 7.4812, 95.0737



5.6711, 7.4812, 0.0000

Square

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



18.5567, 7.4812, 95.0737



24.3525, 7.4812, 0.0000



1.7212, 7.4812, 0.0000



0.8503, 7.4812, 59.6542

Rectangle

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



18.5567, 7.4812, 95.0737



30.8416, 7.4812, 10.6570



1.7212, 7.4812, 0.0000



0.2151, 7.4812, 6.0637

Sweetspot

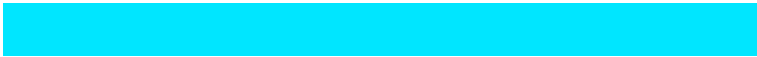
The Sweet Spot groups the original color and five complimentary colors.



18.5577, 7.4817, 95.0738



54.6151, 49.8515, 101.3515



46.2079, 63.5357, 104.4360



10.7649, 9.5377, 21.5235



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.



18.5577, 7.4817, 95.0738



31.1869, 13.9923, 95.6648



17.1950, 17.4767, 22.7170



9.7575, 3.9406, 49.6809



1.0092, 0.4142, 4.8400

Inverse Universe

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



54.9628, 26.7491, 74.1931



41.2395, 74.3448, 12.1764



18.6983, 18.2626, 22.2945



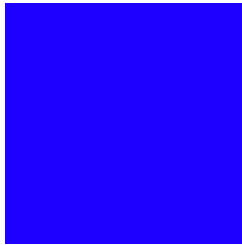
28.7548, 13.9912, 38.9550



2.8240, 1.3720, 3.9207

Previews

White Background



This preview shows how the XYZ color 18.5567, 7.4812, 95.0737 looks on a white background.

Color Contrast Check

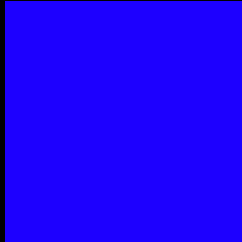
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5567, 7.4812, 95.0737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

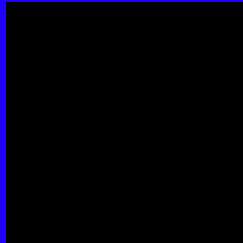
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5567, 7.4812, 95.0737

Background



This preview shows how black text looks on a background with the XYZ color 18.5567, 7.4812, 95.0737.



This preview shows how white text looks on a background with the XYZ color 18.5567, 7.4812,

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

18.5567, 7.4812, 95.0737

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.2455, 7.6061, 23.6405



Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

18.5567, 7.4812, 95.0737

Protanomaly

10.8206, 6.0353, 51.0467

Deuteranomaly

9.4019, 5.7415, 42.7322

Tritanomaly

7.0901, 5.0379, 29.8769

Monochromacy



Original Color

18.5567, 7.4812, 95.0737

Achromatopsia

1.8423, 1.9382, 2.1107

Achromatomaly

4.2307, 2.2949, 17.0496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5567, 7.4812, 95.0737 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(29, 0, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 18.5567, 7.4812, 95.0737 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(29, 0, 255) }
```

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

```
.border{ border-color:rgb(29, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 0, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 18.5567, 7.4812, 95.0737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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