

# Converting Colors

XYZ(18.0717, 7.2634, 95.0572)

Have a look what the booklet for  
XYZ(18.0717, 7.2634, 95.0572)  
contains.

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# Color

**XYZ(18.0717, 7.2634,  
95.0572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0002FF
RGB	0, 2, 255
RGB Percent	0%, 1%, 100%
CMY	0.9997, 0.9923, 0.0000
CMYK	1.00, 0.99, 0.00, 0.00
HSL	240°, 100%, 50%
HSV	240°, 100%, 100%
XYZ	18.0717, 7.2634, 95.0572
YIQ	30.2440, -82.4050, 78.2590

# Conversions

## Conversions Part 2

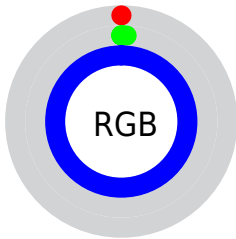
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 2, 255
Decimal	767
CIELab	32.40, 78.90, -107.70
CIELCh	32, 133.507, 306.224
Yxy	7.2634, 0.1501, 0.0603
Android (android.graphics.Color)	4278190847 (0xFF0002FF)
YUV	30.2440, 110.8047, -26.5240
Hunter-Lab	26.9507, 72.5289, -190.2550

# Details

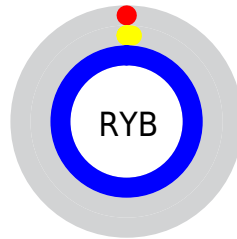
The XYZ color **18.0717, 7.2634, 95.0572** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **76.3985, 91.5762, 13.6516**, and the grayscale version is **1.1833, 1.2450, 1.3558**.

A 20% lighter version of the original color is **28.2525, 15.9197, 96.1915**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.0706, 7.2612, 95.0569**, and if you desaturate by 10%, it is **18.8637, 8.2310, 95.2023**.

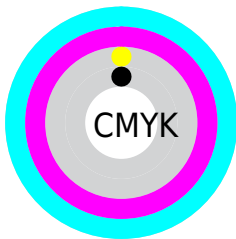
# Distribution



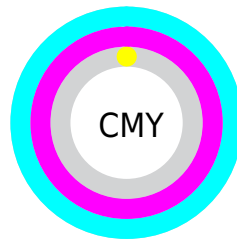
- Red (0%)
- Green (1%)
- Blue (100%)



- Red (0%)
- Yellow (1%)
- Blue (100%)



- Cyan (100%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (99%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0717, 7.2634, 95.0572 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 18.0717, 7.2634, 95.0572 by changing the saturation by 10% instead.



■ 18.0717, 7.2634,  
95.0572

■ 18.0717, 7.2634,  
95.0572

234.3126,  
169.8347, 565.3371

■ 11.1015, 3.6274,  
71.5854

■ 39.6886, 20.5012,  
156.3399

■ 6.2029, 1.4674,  
52.3353

■ 55.0660, 30.8717,  
194.9879

■ 3.0107, 0.2656,  
36.8883

■ 73.9764, 44.2559,  
239.5317

■ 1.1594, 0.0000,  
24.8259

■ 96.7854, 61.0380,  
290.3899

■ 0.0740, 0.0000,  
15.7296

■ 123.8581, 81.6026,  
347.9810

■ 0.0000, 0.0000,  
9.1807


■ 155.5600,

■ 0.0000, 0.0000,


106.3340, 412.7235

4.7608

 192.2564,  
135.6166, 485.0360

 0.0000, 0.0000,  
2.0514


 0.0000, 0.0000,  
0.5866

 18.0717, 7.2634,  
95.0572


 18.0717, 7.2634,  
95.0572

 18.0706, 7.2612,  
95.0569

 18.8637, 8.2310,  
95.2023

 20.6738, 10.4351,  
95.5323

 23.7941, 14.2154,  
96.0975

 28.4098, 19.7925,  
96.9307

■ 34.6764, 27.3520,  
98.0596

■ 42.7298, 37.0566,  
99.5083

■ 52.6920, 49.0518,  
101.2985

■ 64.6742, 63.4709,  
103.4501

■ 78.7792, 80.4365,  
105.9814

# Harmonies

## Analogous

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



8.4426, 7.2634, 137.4800



18.0717, 7.2634, 95.0572



27.5232, 7.2634, 35.2058

# Triad

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



18.0717, 7.2634, 95.0572



13.7445, 7.2634, 0.0000



0.1692, 7.2634, 12.7792

# Complementary

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



18.0717, 7.2634, 95.0572



76.3985, 91.5762, 13.6516

# 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.



0.4266, 7.2634, 0.1423



18.0717, 7.2634, 95.0572



5.5641, 7.2634, 0.0000

# Square

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



18.0717, 7.2634, 95.0572



24.0660, 7.2634, 0.0000



1.6598, 7.2634, 0.0000



0.7799, 7.2634, 58.2325



# Rectangle

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



18.0717, 7.2634, 95.0572



30.3722, 7.2634, 10.6810



1.6598, 7.2634, 0.0000



0.1571, 7.2634, 5.6630

# Sweetspot

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



18.0724, 7.2633, 95.0572



52.6590, 49.0121, 101.2926



53.1344, 78.4699, 103.4071



10.3213, 9.3471, 21.5101



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.



18.0724, 7.2633, 95.0572



18.0706, 7.2612, 95.0569



26.2607, 11.4540, 95.4345



17.0139, 17.3994, 22.7116



9.4470, 3.8035, 49.6708



0.9235, 0.3776, 4.8375



# Inverse Universe

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



41.2516, 21.2660, 1.9872



41.2504, 21.2642, 1.9847



45.2429, 76.4086, 12.3660



18.0149, 17.9893, 18.6957



21.5566, 11.1119, 1.0495

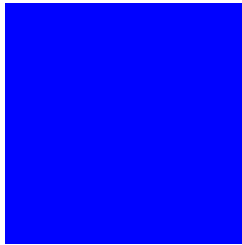


2.1007, 1.0827, 0.1119



# Previews

## White Background



This preview shows how the XYZ color 18.0717, 7.2634, 95.0572 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

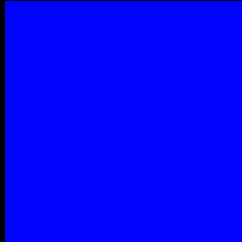
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the XYZ color 18.0717, 7.2634, 95.0572 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 18.0717, 7.2634, 95.0572**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.0717, 7.2634, 95.0572.



This preview shows how white text looks on a background with the XYZ color 18.0717, 7.2634,



# 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

18.0717, 7.2634, 95.0572

### Protanopia

8.4495, 7.2979, 32.4158

### Deuteranopia

7.0335, 7.4033, 22.8881

# Trichromacy



## Original Color

18.0717, 7.2634, 95.0572

## Protanomaly

10.5714, 5.9197, 50.4546

## Deuteranomaly

9.1638, 5.6303, 42.1987

# Monochromacy



## Original Color

18.0717, 7.2634, 95.0572

## Achromatopsia

1.2340, 1.2983, 1.4139

## Achromatomaly

3.4433, 1.8086, 15.4968

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.0717, 7.2634, 95.0572 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, 2, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 2, 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, 2, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 18.0717, 7.2634, 95.0572 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, 2, 255) }
```

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

```
.border{ border-color:rgb(0, 2, 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, 2, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 2, 255); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 2, 255); box-shadow:4px  
4px 4px 4px rgb(0, 2, 255) }
```



# Background

The CSS property to change the background color of an element to XYZ 18.0717, 7.2634, 95.0572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 2, 255) }
```

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

```
.background{ background-color: rgb(0, 2,  
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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