

Converting Colors

XYZ(18.3499, 7.3746, 95.0640)

Have a look what the booklet for
XYZ(18.3499, 7.3746, 95.0640)
contains.

XYZ(18.3593, 7.3794, 95.0645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**XYZ(18.3593, 7.3794,
95.0645)**

Conversions

Conversions Part 1

Format	Color
Hex	1500FF
RGB	21, 0, 255
RGB Percent	8%, 0%, 100%
CMY	0.9175, 1.0000, 0.0000
CMYK	0.92, 1.00, 0.00, 0.00
HSL	245°, 100%, 50%
HSV	245°, 100%, 100%
XYZ	18.3593, 7.3794, 95.0645
YIQ	35.3490, -69.3390, 83.7570

Conversions

Conversions Part 2

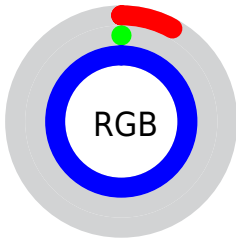
Format	Color
R _Y B	21, 0, 255
Decimal	1376511
CIE Lab	32.66, 79.31, -107.26
CIE LCh	33, 133.400, 306.478
Yxy	7.3794, 0.1520, 0.0611
Android (android.graphics.Color)	4279566591 (0xFF1500FF)
YUV	35.3490, 108.2879, -12.5841
Hunter-Lab	27.1651, 73.0991, -188.4707

Details

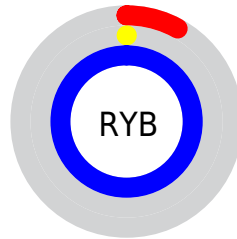
The XYZ color **18.3593, 7.3794, 95.0645** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **69.6759, 89.0043, 13.5072**, and the grayscale version is **1.5483, 1.6289, 1.7739**.

A 20% lighter version of the original color is **28.8248, 16.2147, 96.2183**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.3603, 7.3800, 95.0645**, and if you desaturate by 10%, it is **19.4663, 8.4822, 95.2190**.

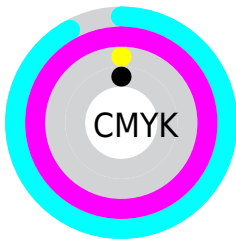
Distribution



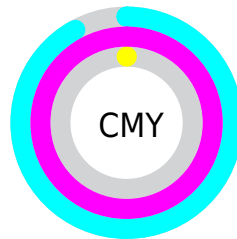
- Red (8%)
- Green (0%)
- Blue (100%)



- Red (8%)
- Yellow (0%)
- Blue (100%)



- Cyan (92%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (92%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3593, 7.3794, 95.0645 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 18.3593, 7.3794, 95.0645 by changing the saturation by 10% instead.


 18.3593, 7.3794,
95.0645


 18.3593, 7.3794,
95.0645


235.8951,
170.7800, 565.3611


 11.3095, 3.7005,
71.5915


 40.1739, 20.7325,
156.3501


 6.3442, 1.5075,
52.3402


 55.6694, 31.1755,
194.9997


 3.0981, 0.2940,
36.8922


 74.7109, 44.6419,
239.5452

 1.2059, 0.0000,
24.8289

 97.6637, 61.5162,
290.4053

 0.1110, 0.0000,
15.7318

 124.8932, 82.1828,
347.9983


 0.0000, 0.0000,
9.1823


 156.7647,


 0.0000, 0.0000,


107.0260, 412.7430

4.7618

 193.6435,
136.4303, 485.0577

 0.0000, 0.0000,
2.0519

 0.0000, 0.0000,
0.5869


 18.3593, 7.3794,
95.0645


 18.3593, 7.3794,
95.0645

 18.3603, 7.3800,
95.0645

 19.4663, 8.4822,
95.2190

 21.6065, 10.8108,
95.5556

 25.0065, 14.6941,
96.1260

 29.8229, 20.3425,
96.9624

■ 36.1893, 27.9335,
98.0921

■ 44.2238, 37.6232,
99.5389

■ 54.0329, 49.5514,
101.3243

■ 65.7143, 63.8460,
103.4677

■ 79.3584, 80.6255,
105.9874

Harmonies

Analogous

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



8.6349, 7.3794, 137.9952



18.3593, 7.3794, 95.0645



27.8348, 7.3794, 35.0960

Triad

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



18.3593, 7.3794, 95.0645



13.8264, 7.3794, 0.0000



0.2004, 7.3794, 13.1817

Complementary

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



18.3593, 7.3794, 95.0645



69.6759, 89.0043, 13.5072

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.



0.4502, 7.3794, 0.2141



18.3593, 7.3794, 95.0645



5.6097, 7.3794, 0.0000

Square

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



18.3593, 7.3794, 95.0645



24.2188, 7.3794, 0.0000



1.6866, 7.3794, 0.0000



0.8176, 7.3794, 59.1567

Rectangle

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



18.3593, 7.3794, 95.0645



30.6490, 7.3794, 10.6273



1.6866, 7.3794, 0.0000



0.1857, 7.3794, 5.9026

Sweetspot

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



18.3603, 7.3800, 95.0645



54.0329, 49.5514, 101.3243



48.6245, 68.3691, 105.2415



10.6324, 9.4693, 21.5173



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.



18.3603, 7.3800, 95.0645



29.6391, 13.1944, 95.5924



17.1419, 17.4494, 22.7145



9.6416, 3.8809, 49.6755



0.9842, 0.4013, 4.8389

Inverse Universe

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



56.0844, 27.1978, 80.0994



42.2528, 74.8672, 12.2239



18.7242, 18.2730, 22.4306



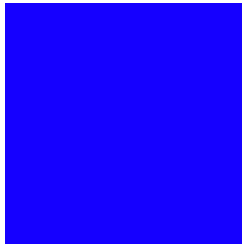
29.3323, 14.2222, 41.9959



2.8743, 1.3921, 4.1856

Previews

White Background



This preview shows how the XYZ color 18.3593, 7.3794, 95.0645 looks on a white background.

Color Contrast Check

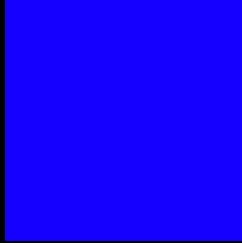
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3593, 7.3794, 95.0645 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 18.3593, 7.3794, 95.0645

Background



This preview shows how black text looks on a background with the XYZ color 18.3593, 7.3794, 95.0645.



This preview shows how white text looks on a background with the XYZ color 18.3593, 7.3794,

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

18.3593, 7.3794, 95.0645

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1023, 7.4308, 23.2503



Tritanopia

5.1733, 7.3938, 10.8273

Trichromacy



Original Color

18.3593, 7.3794, 95.0645

Protanomaly

10.7827, 6.0158, 51.0449

Deuteranomaly

9.2198, 5.5936, 42.1887

Tritanomaly

6.9713, 4.9860, 29.4491

Monochromacy



Original Color

18.3593, 7.3794, 95.0645

Achromatopsia

1.5975, 1.6807, 1.8303

Achromatomaly

3.9168, 2.0876, 16.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3593, 7.3794, 95.0645 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(21, 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(21, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.3593, 7.3794, 95.0645 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, 0, 255) }
```

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

```
.border{ border-color:rgb(21, 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(21, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(21, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3593, 7.3794, 95.0645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 0, 255) }
```

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

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