

Converting Colors

XYZ(18.3058, 7.3519, 95.0620)

Have a look what the booklet for
XYZ(18.3058, 7.3519, 95.0620)
contains.

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Color

**XYZ(18.2995, 7.3486,
95.0617)**

Conversions

Conversions Part 1

Format	Color
Hex	1200FF
RGB	18, 0, 255
RGB Percent	7%, 0%, 100%
CMY	0.9292, 1.0000, 0.0000
CMYK	0.93, 1.00, 0.00, 0.00
HSL	244°, 100%, 50%
HSV	244°, 100%, 100%
XYZ	18.2995, 7.3486, 95.0617
YIQ	34.4520, -71.1270, 83.1210

Conversions

Conversions Part 2

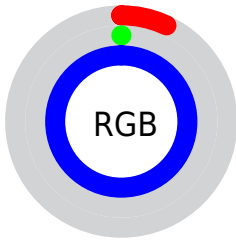
Format	Color
RYB	18, 0, 255
Decimal	1179903
CIELab	32.59, 79.29, -107.38
CIElCh	33, 133.479, 306.441
Yxy	7.3486, 0.1516, 0.0609
Android (android.graphics.Color)	4279369983 (0xFF1200FF)
YUV	34.4520, 108.7302, -14.4284
Hunter-Lab	27.1083, 73.0572, -188.9387

Details

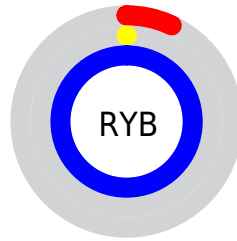
The XYZ color **18.2995, 7.3486, 95.0617** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **70.6671, 89.5153, 13.5536**, and the grayscale version is **1.4802, 1.5573, 1.6959**.

A 20% lighter version of the original color is **28.6795, 16.1398, 96.2115**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.3005, 7.3491, 95.0617**, and if you desaturate by 10%, it is **19.3530, 8.4238, 95.2137**.

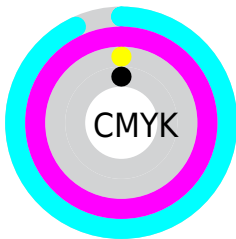
Distribution



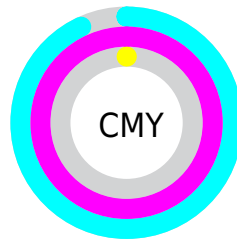
- Red (7%)
- Green (0%)
- Blue (100%)



- Red (7%)
- Yellow (0%)
- Blue (100%)



- Cyan (93%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2995, 7.3486, 95.0617 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 18.2995, 7.3486, 95.0617 by changing the saturation by 10% instead.

■ 18.2995, 7.3486,
95.0617

■ 18.2995, 7.3486,
95.0617

235.5669,
170.5297, 565.3519

■ 11.2662, 3.6811,
71.5892

■ 40.0731, 20.6711,
156.3462

■ 6.3148, 1.4968,
52.3383

■ 55.5441, 31.0949,
194.9951

■ 3.0799, 0.2865,
36.8907

■ 74.5584, 44.5396,
239.5400

■ 1.1962, 0.0000,
24.8278

■ 97.4814, 61.3895,
290.3994

■ 0.1033, 0.0000,
15.7309

■ 124.6784, 82.0291,
347.9917


■ 0.0000, 0.0000,
9.1817


■ 156.5147,


■ 0.0000, 0.0000,


106.8427, 412.7355

4.7614


 193.3558,
136.2148, 485.0494

 0.0000, 0.0000,
2.0517


 0.0000, 0.0000,
0.5868


 18.2995, 7.3486,
95.0617


 18.2995, 7.3486,
95.0617

 18.3005, 7.3491,
95.0617

 19.3530, 8.4238,
95.2137

 21.4433, 10.7267,
95.5480

 24.8021, 14.5887,
96.1164

 29.5899, 20.2223,
96.9515

■ 35.9433, 27.8067,
98.0806

■ 43.9828, 37.4989,
99.5276

■ 53.8172, 49.4401,
101.3142

■ 65.5460, 63.7593,
103.4599

■ 79.2615, 80.5755,
105.9828

Harmonies

Analogous

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



8.5924, 7.3486, 137.9411



18.2995, 7.3486, 95.0617



27.7710, 7.3486, 35.0912

Triad

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



18.2995, 7.3486, 95.0617



13.7977, 7.3486, 0.0000



0.1911, 7.3486, 13.1046

Complementary

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



18.2995, 7.3486, 95.0617



70.6671, 89.5153, 13.5536

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.



0.4421, 7.3486, 0.1982



18.2995, 7.3486, 95.0617



5.5910, 7.3486, 0.0000

Square

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



18.2995, 7.3486, 95.0617



24.1782, 7.3486, 0.0000



1.6761, 7.3486, 0.0000



0.8076, 7.3486, 59.0058

Rectangle

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



18.2995, 7.3486, 95.0617



30.5905, 7.3486, 10.6182



1.6761, 7.3486, 0.0000



0.1768, 7.3486, 5.8542

Sweetspot

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



18.3005, 7.3491, 95.0617



53.8172, 49.4401, 101.3142



48.6245, 68.3691, 105.2415



10.5833, 9.4441, 21.5150



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.



18.3005, 7.3491, 95.0617



29.6391, 13.1944, 95.5924



17.1221, 17.4391, 22.7136



9.6056, 3.8623, 49.6738



0.9748, 0.3965, 4.8384

Inverse Universe

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



56.5182, 27.3713, 82.3838



42.2528, 74.8672, 12.2239



18.7339, 18.2769, 22.4818



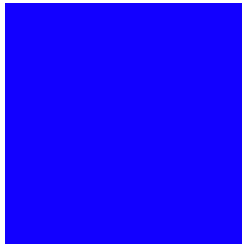
29.5555, 14.3115, 43.1714



2.8937, 1.3999, 4.2876

Previews

White Background



This preview shows how the XYZ color 18.2995, 7.3486, 95.0617 looks on a white background.

Color Contrast Check

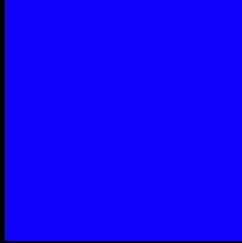
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2995, 7.3486, 95.0617 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 18.2995, 7.3486, 95.0617

Background



This preview shows how black text looks on a background with the XYZ color 18.2995, 7.3486, 95.0617.



This preview shows how white text looks on a background with the XYZ color 18.2995, 7.3486,

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

18.2995, 7.3486, 95.0617

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1023, 7.4308, 23.2503



Tritanopia

5.1733, 7.3938, 10.8273

Trichromacy



Original Color

18.2995, 7.3486, 95.0617

Protanomaly

10.7702, 6.0093, 51.0443

Deuteranomaly

9.2073, 5.5871, 42.1881

Tritanomaly

6.9588, 4.9796, 29.4485

Monochromacy



Original Color

18.2995, 7.3486, 95.0617

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

3.8031, 2.0356, 16.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2995, 7.3486, 95.0617 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(18, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.2995, 7.3486, 95.0617 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(18, 0, 255) }
```

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

```
.border{ border-color:rgb(18, 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(18, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(18, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2995, 7.3486, 95.0617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 0, 255) }
```

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

```
.background{ background-color: rgb(18, 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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