

Converting Colors

XYZ(18.2070, 7.3010, 95.0573)

Have a look what the booklet for
XYZ(18.2070, 7.3010, 95.0573)
contains.

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Color

**XYZ(18.2016, 7.2982,
95.0571)**

Conversions

Conversions Part 1

Format	Color
Hex	0C00FF
RGB	12, 0, 255
RGB Percent	5%, 0%, 100%
CMY	0.9527, 1.0000, 0.0000
CMYK	0.95, 1.00, 0.00, 0.00
HSL	243°, 100%, 50%
HSV	243°, 100%, 100%
XYZ	18.2016, 7.2982, 95.0571
YIQ	32.6580, -74.7030, 81.8490

Conversions

Conversions Part 2

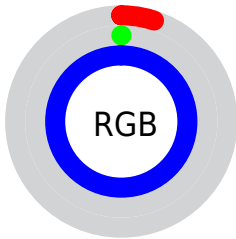
Format	Color
R_{YB}	12, 0, 255
Decimal	786687
CIE _{Lab}	32.48, 79.25, -107.57
CIE _{LCh}	32, 133.610, 306.380
Yxy	7.2982, 0.1510, 0.0605
Android (android.graphics.Color)	4278976767 (0xFF0C00FF)
YUV	32.6580, 109.6146, -18.1171
Hunter-Lab	27.0152, 72.9886, -189.7104

Details

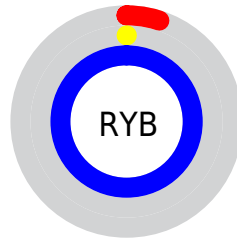
The XYZ color **18.2016, 7.2982, 95.0571** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **72.6999, 90.5632, 13.6488**, and the grayscale version is **1.3493, 1.4196, 1.5460**.

A 20% lighter version of the original color is **28.5357, 16.0657, 96.2047**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.2025, 7.2986, 95.0571**, and if you desaturate by 10%, it is **19.1485, 8.3184, 95.2041**.

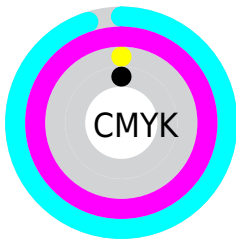
Distribution



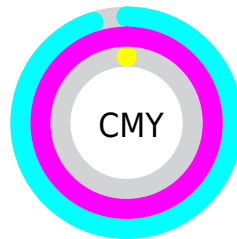
- Red (5%)
- Green (0%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2016, 7.2982, 95.0571 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 18.2016, 7.2982, 95.0571 by changing the saturation by 10% instead.

■ 18.2016, 7.2982,
95.0571

■ 18.2016, 7.2982,
95.0571

235.0286,
170.1190, 565.3368

■ 11.1954, 3.6493,
71.5853

■ 39.9079, 20.5706,
156.3397

■ 6.2667, 1.4794,
52.3353

■ 55.3388, 30.9630,
194.9877

■ 3.0501, 0.2741,
36.8883

■ 74.3085, 44.3719,
239.5315

■ 1.1803, 0.0000,
24.8259

■ 97.1826, 61.1817,
290.3897

■ 0.0907, 0.0000,
15.7296

■ 124.3262, 81.7770,
347.9807

■ 0.0000, 0.0000,
9.1807


■ 156.1049,

■ 0.0000, 0.0000,


106.5420, 412.7233


4.7608


 192.8839,
135.8612, 485.0358

 0.0000, 0.0000,
2.0513


 0.0000, 0.0000,
0.5866


 18.2016, 7.2982,
95.0571


 18.2016, 7.2982,
95.0571

 18.2025, 7.2986,
95.0571

 19.1485, 8.3184,
95.2041

 21.1369, 10.5687,
95.5337

 24.4104, 14.3868,
96.0981

 29.1375, 19.9891,
96.9303

■ 35.4612, 27.5582,
98.0580

■ 43.5075, 37.2539,
99.5054

■ 53.3897, 49.2198,
101.2942

■ 65.2113, 63.5867,
103.4442

■ 79.0682, 80.4758,
105.9738

Harmonies

Analogous

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



8.5231, 7.2982, 137.8526



18.2016, 7.2982, 95.0571



27.6666, 7.2982, 35.0832

Triad

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



18.2016, 7.2982, 95.0571



13.7508, 7.2982, 0.0000



0.1758, 7.2982, 12.9786

Complementary

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



18.2016, 7.2982, 95.0571



72.6999, 90.5632, 13.6488

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.



0.4288, 7.2982, 0.1721



18.2016, 7.2982, 95.0571



5.5605, 7.2982, 0.0000

Square

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



18.2016, 7.2982, 95.0571



24.1116, 7.2982, 0.0000



1.6590, 7.2982, 0.0000



0.7913, 7.2982, 58.7588

Rectangle

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



18.2016, 7.2982, 95.0571



30.4946, 7.2982, 10.6033



1.6590, 7.2982, 0.0000



0.1621, 7.2982, 5.7753

Sweetspot

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



18.2025, 7.2986, 95.0571



53.3897, 49.2198, 101.2942



51.1581, 73.4361, 106.0860



10.4864, 9.3941, 21.5105



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.



18.2025, 7.2986, 95.0571



28.2033, 12.4542, 95.5252



17.0825, 17.4187, 22.7118



9.5448, 3.8310, 49.6710



0.9561, 0.3868, 4.8375

Inverse Universe

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



57.4079, 27.7272, 87.0691



43.3677, 75.4419, 12.2760



18.7534, 18.2847, 22.5843



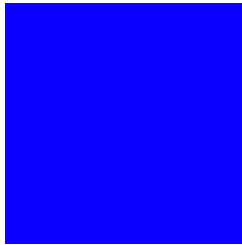
30.0131, 14.4946, 45.5811



2.9333, 1.4157, 4.4960

Previews

White Background



This preview shows how the XYZ color 18.2016, 7.2982, 95.0571 looks on a white background.

Color Contrast Check

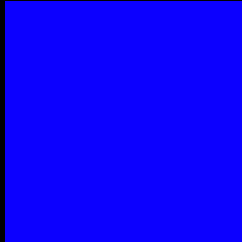
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2016, 7.2982, 95.0571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

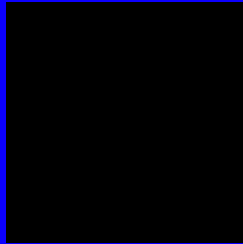
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2016, 7.2982, 95.0571

Background



This preview shows how black text looks on a background with the XYZ color 18.2016, 7.2982, 95.0571.



This preview shows how white text looks on a background with the XYZ color 18.2016, 7.2982,

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

18.2016, 7.2982, 95.0571

Protanopia

8.5168, 7.4325, 32.4382

Deuteranopia

7.0335, 7.4033, 22.8881



Tritanopia

5.1733, 7.3938, 10.8273

Trichromacy



Original Color

18.2016, 7.2982, 95.0571

Protanomaly

10.6215, 5.9455, 50.4570

Deuteranomaly

9.1697, 5.5678, 42.1864

Tritanomaly

6.9213, 4.9602, 29.4468

Monochromacy



Original Color

18.2016, 7.2982, 95.0571

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

3.7063, 1.9579, 16.1022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2016, 7.2982, 95.0571 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(12, 0, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 18.2016, 7.2982, 95.0571 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(12, 0, 255) }
```

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

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

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

Background

The CSS property to change the background color of an element to XYZ 18.2016, 7.2982, 95.0571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(12, 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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