

Converting Colors

XYZ(18.9294, 7.6764, 95.0487)

Have a look what the booklet for
XYZ(18.9294, 7.6764, 95.0487)
contains.

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Color

**XYZ(18.9251, 7.6711,
95.0910)**

Conversions

Conversions Part 1

Format	Color
Hex	2800FF
RGB	40, 0, 255
RGB Percent	16%, 0%, 100%
CMY	0.8430, 1.0000, 0.0000
CMYK	0.84, 1.00, 0.00, 0.00
HSL	249°, 100%, 50%
HSV	249°, 100%, 100%
XYZ	18.9251, 7.6711, 95.0910
YIQ	41.0300, -58.0150, 87.7850

Conversions

Conversions Part 2

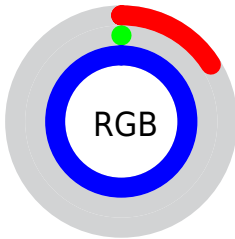
Format	Color
RYB	40, 0, 255
Decimal	2621695
CIELab	33.29, 79.52, -106.19
CIElCh	33, 132.665, 306.827
Yxy	7.6711, 0.1555, 0.0630
Android (android.graphics.Color)	4280811775 (0xFF2800FF)
YUV	41.0300, 105.4872, -0.9033
Hunter-Lab	27.6968, 73.4992, -184.1721

Details

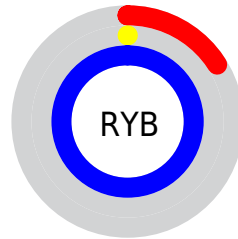
The XYZ color **18.9251, 7.6711, 95.0910** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **63.7769, 85.9632, 13.2312**, and the grayscale version is **2.0220, 2.1273, 2.3167**.

A 20% lighter version of the original color is **29.7926, 16.8104, 96.2822**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.9261, 7.6716, 95.0910**, and if you desaturate by 10%, it is **20.3652, 8.9456, 95.2610**.

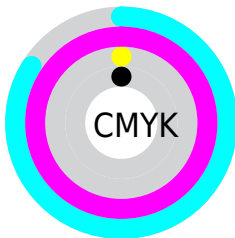
Distribution



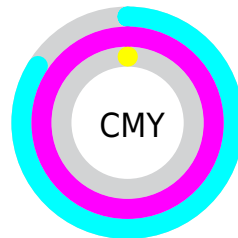
- Red (16%)
- Green (0%)
- Blue (100%)



- Red (16%)
- Yellow (0%)
- Blue (100%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (84%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9251, 7.6711, 95.0910 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 18.9251, 7.6711, 95.0910 by changing the saturation by 10% instead.


 18.9251, 7.6711,
95.0910


 18.9251, 7.6711,
95.0910


238.9810,
173.1291, 565.4480


 11.7199, 3.8852,
71.6134


 41.1253, 21.3111,
156.3870


 6.6241, 1.6096,
52.3580


 56.8511, 31.9340,
195.0424


 3.2723, 0.3640,
36.9063


 76.1476, 45.6047,
239.5943

 1.2994, 0.0000,
24.8398

 99.3805, 62.7076,
290.4611

 0.1827, 0.0000,
15.7398

 126.9148, 83.6271,
348.0613

 0.0000, 0.0000,
9.1878


 159.1162,


 0.0000, 0.0000,


108.7476, 412.8135


4.7654


 196.3498,
138.4534, 485.1362

 0.0000, 0.0000,
2.0540


 0.0000, 0.0000,
0.5882


 18.9251, 7.6711,
95.0910


 18.9251, 7.6711,
95.0910

 18.9261, 7.6716,
95.0910

 20.3652, 8.9456,
95.2610

 22.8029, 11.4276,
95.6116

 26.4382, 15.4322,
96.1930

 31.4078, 21.1595,
97.0366

■ 37.8289, 28.7788,
98.1688

■ 45.8056, 38.4386,
99.6129

■ 55.4323, 50.2728,
101.3898

■ 66.7957, 64.4035,
103.5184

■ 79.9764, 80.9441,
106.0163

Harmonies

Analogous

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



9.0383, 7.6711, 138.5070



18.9251, 7.6711, 95.0910



28.4361, 7.6711, 35.1389

Triad

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



18.9251, 7.6711, 95.0910



14.0951, 7.6711, 0.0000



0.2871, 7.6711, 13.9188

Complementary

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



18.9251, 7.6711, 95.0910



63.7769, 85.9632, 13.2312

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.



0.5254, 7.6711, 0.3628



18.9251, 7.6711, 95.0910



5.7850, 7.6711, 0.0000

Square

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



18.9251, 7.6711, 95.0910



24.6000, 7.6711, 0.0000



1.7861, 7.6711, 0.0000



0.9122, 7.6711, 60.5844

Rectangle

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



18.9251, 7.6711, 95.0910



31.1997, 7.6711, 10.7103



1.7861, 7.6711, 0.0000



0.2691, 7.6711, 6.3689

Sweetspot

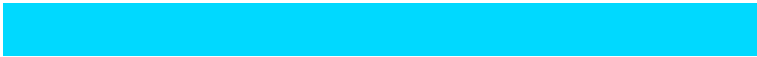
The Sweet Spot groups the original color and five complimentary colors.



18.9261, 7.6716, 95.0910



55.4323, 50.2728, 101.3898



42.7985, 56.7169, 103.2995



10.9518, 9.6340, 21.5323



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.



18.9261, 7.6716, 95.0910



33.7235, 15.3000, 95.7835



17.2684, 17.5146, 22.7205



9.9675, 4.0489, 49.6908



1.0436, 0.4319, 4.8416

Inverse Universe

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



53.5025, 26.1650, 66.5034



39.9039, 73.6562, 12.1139



18.6629, 18.2485, 22.1082



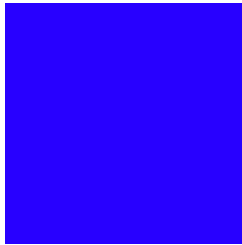
28.0022, 13.6902, 34.9917



2.7580, 1.3456, 3.5729

Previews

White Background



This preview shows how the XYZ color 18.9251, 7.6711, 95.0910 looks on a white background.

Color Contrast Check

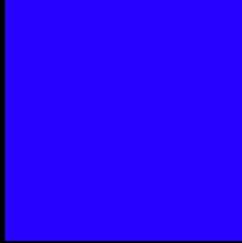
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9251, 7.6711, 95.0910 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 18.9251, 7.6711, 95.0910

Background



This preview shows how black text looks on a background with the XYZ color 18.9251, 7.6711, 95.0910.



This preview shows how white text looks on a background with the XYZ color 18.9251, 7.6711,

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

18.9251, 7.6711, 95.0910

Protanopia

8.9296, 7.7069, 34.2747

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.4215, 7.7522, 11.3358

Trichromacy



Original Color

18.9251, 7.6711, 95.0910

Protanomaly

11.1043, 6.1556, 52.2326

Deuteranomaly

9.5617, 5.8122, 43.2657

Tritanomaly

7.1971, 5.1643, 29.8956

Monochromacy



Original Color

18.9251, 7.6711, 95.0910

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

4.6136, 2.5421, 17.7003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9251, 7.6711, 95.0910 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(40, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 18.9251, 7.6711, 95.0910 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(40, 0, 255) }
```

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

```
.border{ border-color:rgb(40, 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(40, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(40, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9251, 7.6711, 95.0910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 0, 255) }
```

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

```
.background{ background-color: rgb(40, 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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