

Converting Colors

XYZ(18.0375, 7.2398, 93.8612)

Have a look what the booklet for
XYZ(18.0375, 7.2398, 93.8612)
contains.

XYZ(18.1031, 7.2659, 94.2143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.1031, 7.2659,
94.2143)**

Conversions

Conversions Part 1

Format	Color
Hex	1000FE
RGB	16, 0, 254
RGB Percent	6%, 0%, 100%
CMY	0.9370, 1.0000, 0.0039
CMYK	0.94, 1.00, 0.00, 0.00
HSL	244°, 100%, 50%
HSV	244°, 100%, 100%
XYZ	18.1031, 7.2659, 94.2143
YIQ	33.7400, -71.9980, 82.3860

Conversions

Conversions Part 2

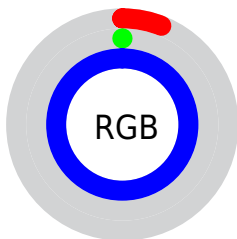
Format	Color
R _Y B	16, 0, 254
Decimal	1048830
CIE Lab	32.40, 79.04, -107.13
CIE LCh	32, 133.127, 306.420
Yxy	7.2659, 0.1514, 0.0608
Android (android.graphics.Color)	4279238910 (0xFF1000FE)
YUV	33.7400, 108.5882, -15.5580
Hunter-Lab	26.9553, 72.7081, -188.3617

Details

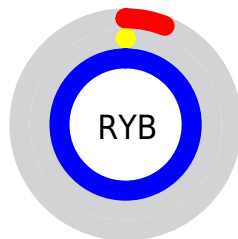
The XYZ color **18.1031, 7.2659, 94.2143** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **70.6829, 89.0513, 13.4632**, and the grayscale version is **1.4277, 1.5021, 1.6358**.

A 20% lighter version of the original color is **28.5357, 16.0657, 96.2047**, and **9.8503, 3.9401, 51.8711** is the 20% darker color. If you saturate the color by 10%, you get **18.1041, 7.2664, 94.2147**, and if you desaturate by 10%, it is **19.1150, 8.3164, 94.3641**.

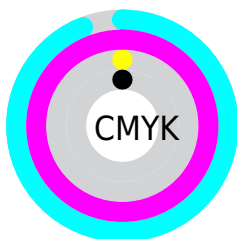
Distribution



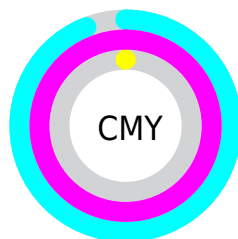
- Red (6%)
- Green (0%)
- Blue (100%)



- Red (6%)
- Yellow (0%)
- Blue (100%)



- Cyan (94%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1031, 7.2659, 94.2143 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 18.1031, 7.2659, 94.2143 by changing the saturation by 10% instead.

■ 18.1031, 7.2659,
94.2143

■ 18.1031, 7.2659,
94.2143

234.4859,
169.8552, 562.5665

■ 11.1242, 3.6289,
70.8879

■ 39.7416, 20.5062,
155.1649

■ 6.2183, 1.4682,
51.7695

■ 55.1319, 30.8783,
193.6262

■ 3.0202, 0.2662,
36.4404

■ 74.0568, 44.2642,
237.9696

■ 1.1645, 0.0000,
24.4821

■ 96.8814, 61.0484,
288.6136

■ 0.0780, 0.0000,
15.4761

■ 123.9713, 81.6151,
345.9768

■ 0.0000, 0.0000,
9.0039

■ 155.6918,


■ 0.0000, 0.0000,


106.3489, 410.4776


4.6469


 192.4082,
135.6342, 482.5347


 0.0000, 0.0000,
1.9865


 0.0000, 0.0000,
0.5470


 18.1031, 7.2659,
94.2143


 18.1031, 7.2659,
94.2143

 18.1041, 7.2664,
94.2147

 19.1150, 8.3164,
94.3641

 21.1560, 10.5842,
94.6942

 24.4594, 14.3998,
95.2566

 29.1867, 19.9749,
96.0835

■ 35.4752, 27.4879,
97.2023

■ 43.4458, 37.0953,
98.6366

■ 53.2077, 48.9376,
100.4079

■ 64.8608, 63.1432,
102.5356

■ 78.4977, 79.8306,
105.0379

Harmonies

Analogous

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



8.4922, 7.2659, 136.6836



18.1031, 7.2659, 94.2143



27.4881, 7.2659, 34.7761

Triad

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



18.1031, 7.2659, 94.2143



13.6588, 7.2659, 0.0000



0.1802, 7.2659, 12.9447

Complementary

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



18.1031, 7.2659, 94.2143



70.6829, 89.0513, 13.4632

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.



0.4312, 7.2659, 0.1829



18.1031, 7.2659, 94.2143



5.5308, 7.2659, 0.0000

Square

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



18.1031, 7.2659, 94.2143



23.9402, 7.2659, 0.0000



1.6553, 7.2659, 0.0000



0.7946, 7.2659, 58.3963

Rectangle

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



18.1031, 7.2659, 94.2143



30.2854, 7.2659, 10.5186



1.6553, 7.2659, 0.0000



0.1662, 7.2659, 5.7750

Sweetspot

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



18.1041, 7.2664, 94.2147



53.6785, 49.3687, 101.3077



49.4338, 70.2444, 104.7194



10.5519, 9.4279, 21.5136



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.



18.1041, 7.2664, 94.2147



18.2657, 7.3312, 95.0601



28.6542, 12.7052, 94.7084



17.1093, 17.4326, 22.7130



9.5844, 3.8514, 49.6728



0.9688, 0.3933, 4.8381

Inverse Universe

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



56.2975, 27.2406, 83.1362



56.8022, 27.4849, 83.8796



42.4205, 74.4815, 12.1406



18.7402, 18.2794, 22.5148



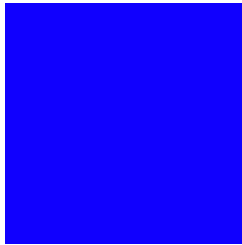
29.7017, 14.3700, 43.9409



2.9064, 1.4049, 4.3542

Previews

White Background



This preview shows how the XYZ color 18.1031, 7.2659, 94.2143 looks on a white background.

Color Contrast Check

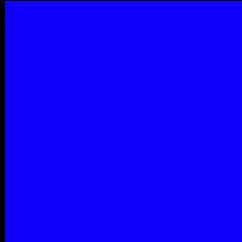
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1031, 7.2659, 94.2143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

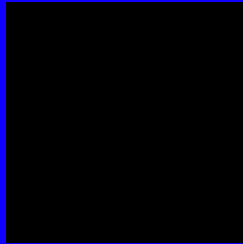
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1031, 7.2659, 94.2143

Background



This preview shows how black text looks on a background with the XYZ color 18.1031, 7.2659, 94.2143.



This preview shows how white text looks on a background with the XYZ color 18.1031, 7.2659,

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

18.1031, 7.2659, 94.2143

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

7.0335, 7.4033, 22.8881



Tritanopia

5.1310, 7.3768, 10.6046

Trichromacy



Original Color

18.1031, 7.2659, 94.2143

Protanomaly

10.6060, 5.8775, 50.4446

Deuteranomaly

9.0954, 5.5410, 41.6644

Tritanomaly

6.8661, 4.9410, 29.0256

Monochromacy



Original Color

18.1031, 7.2659, 94.2143

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

3.7762, 2.0217, 16.1108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1031, 7.2659, 94.2143 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(16, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(16, 0, 254)  
}
```

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(16, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 0, 254) }
```

Border

The CSS property to change the border of an element to XYZ 18.1031, 7.2659, 94.2143 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(16, 0, 254) }
```


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

```
.border{ border-color:rgb(16, 0, 254) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(16, 0, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(16, 0, 254)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1031, 7.2659, 94.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 0, 254) }
```

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

```
.background{ background-color: rgb(16, 0,  
254) }
```

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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