

Converting Colors

XYZ(14.8750, 6.4338, 76.8390)

Have a look what the booklet for
XYZ(14.8750, 6.4338, 76.8390)
contains.

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Color

**XYZ(14.8719, 6.4390,
76.8029)**

Conversions

Conversions Part 1

Format	Color
Hex	0017E8
RGB	0, 23, 232
RGB Percent	0%, 9%, 91%
CMY	0.9998, 0.9098, 0.0902
CMYK	1.00, 0.90, 0.00, 0.09
HSL	234°, 100%, 46%
HSV	234°, 100%, 91%
XYZ	14.8719, 6.4390, 76.8029
YIQ	39.9490, -80.7970, 60.1230

Conversions

Conversions Part 2

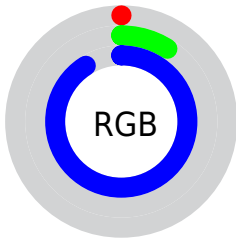
Format	Color
RYB	0, 21, 232
Decimal	6120
CIELab	30.49, 69.02, -97.87
CIElCh	30, 119.763, 305.194
Yxy	6.4390, 0.1516, 0.0656
Android (android.graphics.Color)	4278196200 (0xFF0017E8)
YUV	39.9490, 94.6811, -35.0353
Hunter-Lab	25.3752, 60.2088, -161.6900

Details

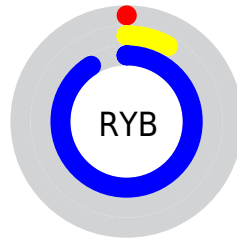
The XYZ color **14.8719, 6.4390, 76.8029** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **56.0979, 62.7935, 9.1655**, and the grayscale version is **1.9374, 2.0383, 2.2197**.

A 20% lighter version of the original color is **27.7138, 16.2462, 96.2829**, and **7.6400, 3.0560, 40.2316** is the 20% darker color. If you saturate the color by 10%, you get **14.8706, 6.4363, 76.8027**, and if you desaturate by 10%, it is **15.8218, 7.8051, 77.0168**.

Distribution



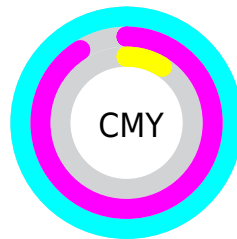
- Red (0%)
- Green (9%)
- Blue (91%)



- Red (0%)
- Yellow (8%)
- Blue (91%)



- Cyan (100%)
- Magenta (90%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (91%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8719, 6.4390, 76.8029 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 14.8719, 6.4390, 76.8029 by changing the saturation by 10% instead.

■ 14.8719, 6.4390,
76.8029

■ 14.8719, 6.4390,
76.8029

215.9933,
162.9173, 503.5116

■ 8.8153, 3.1138,
56.5805

■ 34.2018, 18.8354,
130.6317

■ 4.6770, 1.1914,
40.2614

■ 48.2058, 28.6754,
165.0752

■ 2.0918, 0.0547,
27.4271

■ 65.5896, 41.4558,
205.0961

■ 0.6848, 0.0000,
17.6590

■ 86.7185, 57.5609,
251.1131

■ 0.0000, 0.0000,
10.5385

■ 111.9581, 77.3753,
303.5445


■ 0.0000, 0.0000,
5.6472


■ 141.6735,

■ 0.0000, 0.0000,


101.2832, 362.8091

2.5665

 176.2301,
129.6691, 429.3252


 0.0000, 0.0000,
0.8751


 0.0000, 0.0000,
0.0000


 14.8719, 6.4390,
76.8029


 14.8719, 6.4390,
76.8029

 14.8706, 6.4363,
76.8027

 15.8218, 7.8051,
77.0168

 17.5922, 10.1759,
77.3811

 20.3718, 13.7251,
77.9197

 24.2837, 18.5818,
78.6509

■ 29.4336, 24.8578,
79.5909

■ 35.9146, 32.6529,
80.7539

■ 43.8109, 42.0577,
82.1530

■ 53.1999, 53.1558,
83.8003

■ 64.1531, 66.0250,
85.7070

Harmonies

Analogous

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



7.1680, 6.4390, 107.9609



14.8719, 6.4390, 76.8029



22.4596, 6.4390, 30.1852

Triad

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



14.8719, 6.4390, 76.8029



11.9741, 6.4390, 0.0000



0.2970, 6.4390, 10.2575

Complementary

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



14.8719, 6.4390, 76.8029



56.0979, 62.7935, 9.1655

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.



0.5548, 6.4390, 0.1628



14.8719, 6.4390, 76.8029



5.1796, 6.4390, 0.0000

Square

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



14.8719, 6.4390, 76.8029



20.1785, 6.4390, 0.0000



1.7243, 6.4390, 0.0000



0.8195, 6.4390, 45.1920

Rectangle

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



14.8719, 6.4390, 76.8029



24.8571, 6.4390, 9.9872



1.7243, 6.4390, 0.0000



0.2953, 6.4390, 4.6939

Sweetspot

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



14.8725, 6.4390, 76.8031



54.0969, 51.8880, 101.7719



40.3422, 62.3077, 70.0965



10.6472, 9.9988, 21.6187



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.



14.8725, 6.4390, 76.8031



18.4020, 7.9241, 95.1673



19.0641, 8.1463, 76.9118



13.6969, 14.1151, 18.1469



8.2968, 3.6556, 42.6515



0.6523, 0.3485, 3.1648

Inverse Universe

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



33.4340, 17.2191, 2.3715



41.4177, 21.3311, 2.8657



39.5422, 63.2219, 10.1208



14.4346, 14.3910, 15.2229



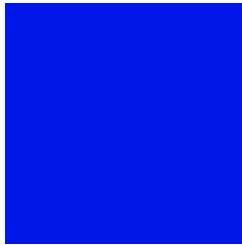
18.5813, 9.5667, 1.4243



1.3929, 0.7149, 0.2093

Previews

White Background



This preview shows how the XYZ color 14.8719, 6.4390, 76.8029 looks on a white background.

Color Contrast Check

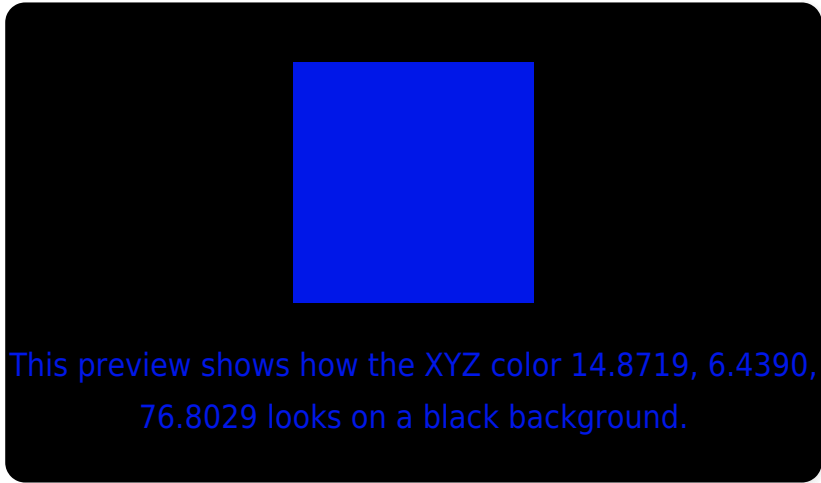
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

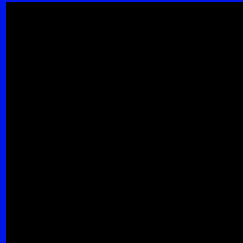
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8719, 6.4390, 76.8029

Background



This preview shows how black text looks on a background with the XYZ color 14.8719, 6.4390, 76.8029.



This preview shows how white text looks on a background with the XYZ color 14.8719, 6.4390,

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

14.8719, 6.4390, 76.8029

Protanopia

7.3785, 6.4556, 28.0513

Deuteranopia

6.0869, 6.3528, 19.9742



Tritanopia

4.4689, 6.3774, 9.3829

Trichromacy



Original Color

14.8719, 6.4390, 76.8029

Protanomaly

9.2089, 5.7205, 42.2138

Deuteranomaly

7.9770, 5.3767, 35.2677

Tritanomaly

6.1514, 4.9629, 24.6785

Monochromacy



Original Color

14.8719, 6.4390, 76.8029

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

3.7874, 2.4765, 15.0302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8719, 6.4390, 76.8029 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(0, 23, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 23, 232)  
}
```

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(0, 23, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 23, 232) }
```

Border

The CSS property to change the border of an element to XYZ 14.8719, 6.4390, 76.8029 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(0, 23, 232) }
```


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

```
.border{ border-color:rgb(0, 23, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 23, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 23, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 23, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 23, 232)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8719, 6.4390, 76.8029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 23, 232) }
```

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

```
.background{ background-color: rgb(0, 23,  
232) }
```

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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