

Converting Colors

XYZ(17.3719, 6.9641, 90.7889)

Have a look what the booklet for
XYZ(17.3719, 6.9641, 90.7889)
contains.

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Color

**XYZ(17.3933, 6.9733,
90.8717)**

Conversions

Conversions Part 1

Format	Color
Hex	0B00FA
RGB	11, 0, 250
RGB Percent	4%, 0%, 98%
CMY	0.9566, 1.0000, 0.0196
CMYK	0.96, 1.00, 0.00, 0.02
HSL	243°, 100%, 49%
HSV	243°, 100%, 98%
XYZ	17.3933, 6.9733, 90.8717
YIQ	31.7890, -73.6940, 80.0820

Conversions

Conversions Part 2

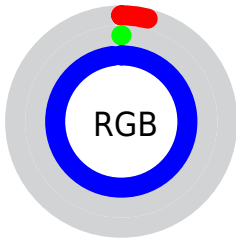
Format	Color
R_{YB}	11, 0, 250
Decimal	721146
CIE Lab	31.75, 78.07, -105.98
CIE LCh	32, 131.629, 306.376
Yxy	6.9733, 0.1509, 0.0605
Android (android.graphics.Color)	4278911226 (0xFF0B00FA)
YUV	31.7890, 107.5780, -18.2320
Hunter-Lab	26.4070, 71.3590, -185.5436

Details

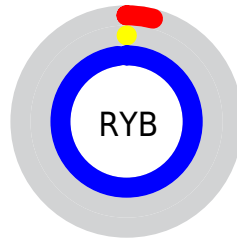
The XYZ color **17.3933, 6.9733, 90.8717** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **69.7605, 86.7109, 13.0601**, and the grayscale version is **1.2899, 1.3571, 1.4778**.

A 20% lighter version of the original color is **28.1884, 15.7914, 96.1701**, and **9.4040, 3.7616, 49.5206** is the 20% darker color. If you saturate the color by 10%, you get **17.3942, 6.9737, 90.8721**, and if you desaturate by 10%, it is **18.2947, 7.9540, 91.0138**.

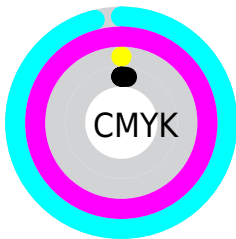
Distribution



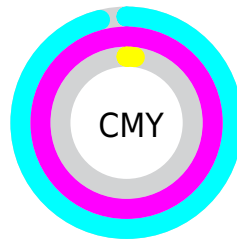
- Red (4%)
- Green (0%)
- Blue (98%)



- Red (4%)
- Yellow (0%)
- Blue (98%)



- Cyan (96%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)



- Cyan (96%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.3933, 6.9733, 90.8717 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 17.3933, 6.9733, 90.8717 by changing the saturation by 10% instead.


 17.3933, 6.9733,
90.8717


 17.3933, 6.9733,
90.8717


230.5411,
167.4416, 551.5055


 10.6123, 3.4454,
68.1261


 38.5390, 19.9195,
150.4947


 5.8722, 1.3685,
49.5330


 53.6345, 30.1066,
188.2092

 2.8074, 0.1933,
34.6739


 72.2321, 43.2821,
231.7503

 1.0528, 0.0000,
23.1302

 94.6974, 59.8306,
281.5367

 0.0000, 0.0000,
14.4835

 121.3955, 80.1364,
337.9869

 0.0000, 0.0000,
8.3151


 152.6920,


 0.0000, 0.0000,


104.5840, 401.5194

4.2066


 188.9520,
133.5576, 472.5528

 0.0000, 0.0000,
1.7394


 0.0000, 0.0000,
0.3875


 17.3933, 6.9733,
90.8717


 17.3933, 6.9733,
90.8717

 17.3942, 6.9737,
90.8721

 18.2947, 7.9540,
91.0138

 20.1909, 10.1087,
91.3298

 23.3163, 13.7618,
91.8701

 27.8327, 19.1200,
92.6664

■ 33.8769, 26.3575,
93.7448

■ 41.5694, 35.6268,
95.1285

■ 51.0189, 47.0650,
96.8382

■ 62.3246, 60.7972,
98.8929

■ 75.5782, 76.9388,
101.3100

Harmonies

Analogous

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



8.1429, 6.9733, 131.7771



17.3933, 6.9733, 90.8717



26.4411, 6.9733, 33.5379

Triad

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



17.3933, 6.9733, 90.8717



13.1420, 6.9733, 0.0000



0.1470, 6.9733, 12.3983

Complementary

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



17.3933, 6.9733, 90.8717



69.7605, 86.7109, 13.0601

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.



0.3964, 6.9733, 0.1389



17.3933, 6.9733, 90.8717



5.3135, 6.9733, 0.0000

Square

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



17.3933, 6.9733, 90.8717



23.0453, 6.9733, 0.0000



1.5847, 6.9733, 0.0000



0.7533, 6.9733, 56.1544

Rectangle

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



17.3933, 6.9733, 90.8717



29.1452, 6.9733, 10.1354



1.5847, 6.9733, 0.0000



0.1335, 6.9733, 5.5154

Sweetspot

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



17.3942, 6.9737, 90.8721



53.3345, 49.1913, 101.2916



48.9085, 70.2084, 101.4166



10.4739, 9.3877, 21.5099



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.



17.3942, 6.9737, 90.8721



18.1918, 7.2931, 95.0566



26.9810, 11.9159, 91.3207



16.3541, 16.6796, 21.7428



9.2573, 3.7150, 48.2027



0.8816, 0.3566, 4.4655

Inverse Universe

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



54.9949, 26.5522, 83.8379



57.5257, 27.7743, 87.6893



41.4771, 72.1303, 11.7365



17.9579, 17.5105, 21.6341



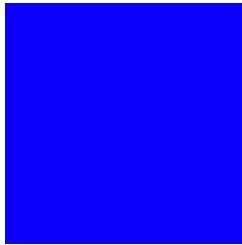
29.1857, 14.0900, 44.5476



2.7131, 1.3090, 4.1785

Previews

White Background



This preview shows how the XYZ color 17.3933, 6.9733, 90.8717 looks on a white background.

Color Contrast Check

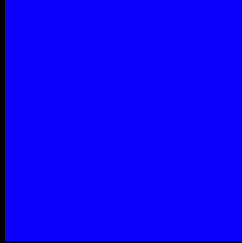
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3933, 6.9733, 90.8717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

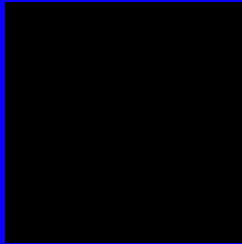
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3933, 6.9733, 90.8717

Background



This preview shows how black text looks on a background with the XYZ color 17.3933, 6.9733, 90.8717.



This preview shows how white text looks on a background with the XYZ color 17.3933, 6.9733,

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

17.3933, 6.9733, 90.8717

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

4.9318, 7.0452, 10.3325

Trichromacy



Original Color

17.3933, 6.9733, 90.8717

Protanomaly

10.1042, 5.6106, 48.1274

Deuteranomaly

8.8307, 5.3630, 40.6141

Tritanomaly

6.5896, 4.6786, 28.1595

Monochromacy



Original Color

17.3933, 6.9733, 90.8717

Achromatopsia

1.3729, 1.4444, 1.5729

Achromatomaly

3.4961, 1.8422, 15.2102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3933, 6.9733, 90.8717 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(11, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(11, 0, 250)  
}
```

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(11, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 17.3933, 6.9733, 90.8717 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(11, 0, 250) }
```


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

```
.border{ border-color:rgb(11, 0, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(11, 0, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.3933, 6.9733, 90.8717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 0, 250) }
```

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

```
.background{ background-color: rgb(11, 0,  
250) }
```

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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