

Converting Colors

XYZ(17.6334, 7.6834, 90.9140)

Have a look what the booklet for
XYZ(17.6334, 7.6834, 90.9140)
contains.

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Color

**XYZ(17.6473, 7.6860,
90.9959)**

Conversions

Conversions Part 1

Format	Color
Hex	001BFA
RGB	0, 27, 250
RGB Percent	0%, 11%, 98%
CMY	0.9997, 0.8942, 0.0196
CMYK	1.00, 0.89, 0.00, 0.02
HSL	234°, 100%, 49%
HSV	234°, 100%, 98%
XYZ	17.6473, 7.6860, 90.9959
YIQ	44.3490, -87.6750, 63.6290

Conversions

Conversions Part 2

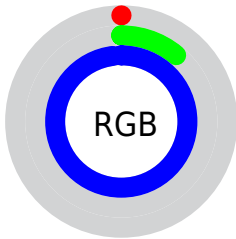
Format	Color
RYB	0, 24, 250
Decimal	7162
CIELab	33.32, 72.66, -103.35
CIELCh	33, 126.336, 305.107
Yxy	7.6860, 0.1517, 0.0661
Android (android.graphics.Color)	4278197242 (0xFF001BFA)
YUV	44.3490, 101.3859, -38.8941
Hunter-Lab	27.7236, 65.1066, -175.1980

Details

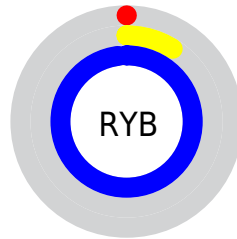
The XYZ color **17.6473, 7.6860, 90.9959** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **65.8366, 73.1477, 10.6512**, and the grayscale version is **2.3396, 2.4614, 2.6805**.

A 20% lighter version of the original color is **28.6750, 17.1765, 96.4118**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **17.6455, 7.6823, 90.9956**, and if you desaturate by 10%, it is **18.7690, 9.3313, 91.2547**.

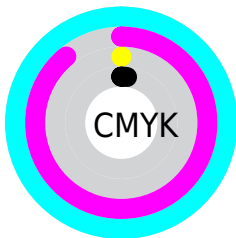
Distribution



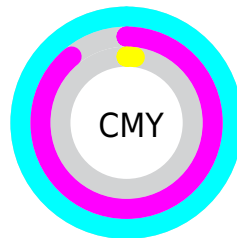
- Red (0%)
- Green (11%)
- Blue (98%)



- Red (0%)
- Yellow (9%)
- Blue (98%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (89%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6473, 7.6860, 90.9959 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 17.6473, 7.6860, 90.9959 by changing the saturation by 10% instead.

■ 17.6473, 7.6860,
90.9959

■ 17.6473, 7.6860,
90.9959

231.9597,
173.2480, 551.9187

■ 10.7952, 3.8947,
68.2286

■ 38.9702, 21.3405,
150.6686

■ 5.9956, 1.6148,
49.6159

■ 54.1718, 31.9726,
188.4110

■ 2.8830, 0.3676,
34.7392

■ 72.8872, 45.6536,
231.9822

■ 1.0922, 0.0000,
23.1801

■ 95.4818, 62.7681,
281.8007

■ 0.0186, 0.0000,
14.5200

■ 122.3210, 83.7003,
338.2850

■ 0.0000, 0.0000,
8.3404


■ 153.7702,


■ 0.0000, 0.0000,


108.8348, 401.8538

4.2226

 190.1946,
138.5559, 472.9255

 0.0000, 0.0000,
1.7483


 0.0000, 0.0000,
0.3935


 17.6473, 7.6860,
90.9959


 17.6473, 7.6860,
90.9959

 17.6455, 7.6823,
90.9956

 18.7690, 9.3313,
91.2547

 20.8665, 12.1660,
91.6913

 24.1581, 16.3911,
92.3333

 28.7904, 22.1577,
93.2022

■ 34.8888, 29.5972,
94.3168

■ 42.5639, 38.8265,
95.6937

■ 51.9156, 49.9522,
97.3483

■ 63.0357, 63.0723,
99.2946

■ 76.0090, 78.2781,
101.5459

Harmonies

Analogous

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



8.5272, 7.6860, 127.6166



17.6473, 7.6860, 90.9959



26.6325, 7.6860, 35.9340

Triad

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



17.6473, 7.6860, 90.9959



14.2731, 7.6860, 0.0000



0.4342, 7.6860, 12.1479

Complementary

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



17.6473, 7.6860, 90.9959



65.8366, 73.1477, 10.6512

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.



0.7085, 7.6860, 0.2986



17.6473, 7.6860, 90.9959



6.2061, 7.6860, 0.0000

Square

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



17.6473, 7.6860, 90.9959



23.9794, 7.6860, 0.0000



2.0833, 7.6860, 0.0000



0.9911, 7.6860, 53.3701

Rectangle

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



17.6473, 7.6860, 90.9959



29.4822, 7.6860, 11.9701



2.0833, 7.6860, 0.0000



0.4332, 7.6860, 5.5736

Sweetspot

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



17.6480, 7.6860, 90.9962



54.2396, 52.1734, 101.8195



47.2169, 73.5840, 80.0114



10.6797, 10.0638, 21.6296



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.



17.6480, 7.6860, 90.9962



18.4525, 8.0250, 95.1842



22.0676, 9.3842, 91.0910



16.4334, 16.9437, 21.7896



9.4086, 4.1727, 48.2831



0.9192, 0.4821, 4.4878

Inverse Universe

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



39.6230, 20.4048, 2.8864



41.4432, 21.3413, 2.9998



47.5501, 75.2610, 12.0229



17.3206, 17.2556, 18.2779



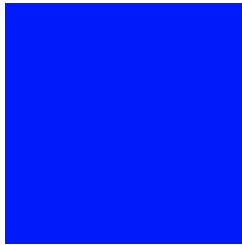
21.0410, 10.8321, 1.6586



1.9729, 1.0129, 0.2808

Previews

White Background



This preview shows how the XYZ color 17.6473, 7.6860, 90.9959 looks on a white background.

Color Contrast Check

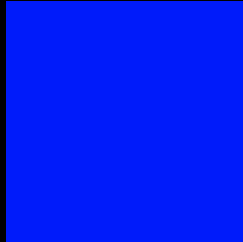
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6473, 7.6860, 90.9959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

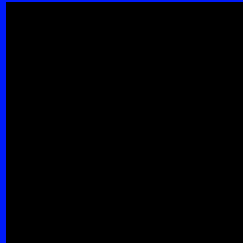
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6473, 7.6860, 90.9959

Background



This preview shows how black text looks on a background with the XYZ color 17.6473, 7.6860, 90.9959.



This preview shows how white text looks on a background with the XYZ color 17.6473, 7.6860,

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

17.6473, 7.6860, 90.9959

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.2455, 7.6061, 23.6405



Tritanopia

5.2965, 7.5717, 11.0799

Trichromacy



Original Color

17.6473, 7.6860, 90.9959

Protanomaly

10.9170, 6.7877, 50.0250

Deuteranomaly

9.5052, 6.4721, 41.8226

Tritanomaly

7.3151, 5.9505, 29.1968

Monochromacy



Original Color

17.6473, 7.6860, 90.9959

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.5018, 2.9650, 17.7878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6473, 7.6860, 90.9959 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, 27, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 27, 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(0, 27, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 27, 250) }
```

Border

The CSS property to change the border of an element to XYZ 17.6473, 7.6860, 90.9959 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, 27, 250) }
```


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

```
.border{ border-color:rgb(0, 27, 250) }
```

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

Here you see how a box with a 4 pixel rgb(0, 27, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 27, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 27, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 27, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6473, 7.6860, 90.9959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 27, 250) }
```

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

```
.background{ background-color: rgb(0, 27,  
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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