

Converting Colors

XYZ(17.3768, 7.1702, 90.8284)

Have a look what the booklet for
XYZ(17.3768, 7.1702, 90.8284)
contains.

XYZ(17.3868, 7.1651, 90.9091)	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(17.3868, 7.1651,
90.9091)**

Conversions

Conversions Part 1

Format	Color
Hex	000CFA
RGB	0, 12, 250
RGB Percent	0%, 5%, 98%
CMY	0.9997, 0.9530, 0.0196
CMYK	1.00, 0.95, 0.00, 0.02
HSL	237°, 100%, 49%
HSV	237°, 100%, 98%
XYZ	17.3868, 7.1651, 90.9091
YIQ	35.5440, -83.5500, 71.4740

Conversions

Conversions Part 2

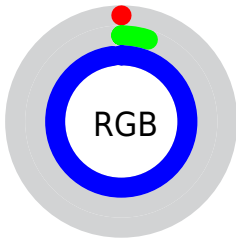
Format	Color
RYB	0, 11, 250
Decimal	3322
CIELab	32.18, 76.16, -105.26
CIElCh	32, 129.923, 305.888
Yxy	7.1651, 0.1506, 0.0621
Android (android.graphics.Color)	4278193402 (0xFF000CFA)
YUV	35.5440, 105.7268, -31.1721
Hunter-Lab	26.7677, 69.1001, -182.6247

Details

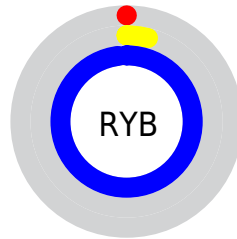
The XYZ color **17.3868, 7.1651, 90.9091** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **70.0266, 81.5277, 12.0477**, and the grayscale version is **1.5656, 1.6472, 1.7938**.

A 20% lighter version of the original color is **28.1738, 16.1741, 96.2447**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **17.3858, 7.1629, 90.9091**, and if you desaturate by 10%, it is **18.2826, 8.3587, 91.0926**.

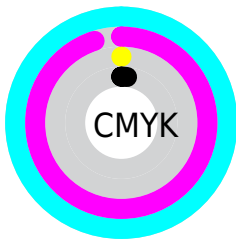
Distribution



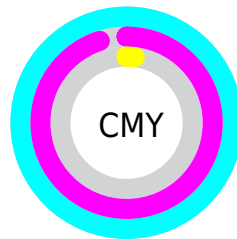
- Red (0%)
- Green (5%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (95%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (95%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3868, 7.1651, 90.9091 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 17.3868, 7.1651, 90.9091 by changing the saturation by 10% instead.

■ 17.3868, 7.1651,
90.9091

■ 17.3868, 7.1651,
90.9091

230.5047,
169.0286, 551.6299

■ 10.6077, 3.5656,
68.1569

■ 38.5280, 20.3046,
150.5471

■ 5.8690, 1.4336,
49.5579

■ 53.6207, 30.6133,
188.2700

■ 2.8055, 0.2413,
34.6936

■ 72.2153, 43.9273,
231.8202

■ 1.0518, 0.0000,
23.1453

■ 94.6773, 60.6308,
281.6162

■ 0.0000, 0.0000,
14.4945

■ 121.3718, 81.1083,
338.0767

■ 0.0000, 0.0000,
8.3227


■ 152.6643,


■ 0.0000, 0.0000,

105.7441, 401.6201

4.2114


 188.9201,
134.9228, 472.6650

 0.0000, 0.0000,
1.7420


 0.0000, 0.0000,
0.3893


 17.3868, 7.1651,
90.9091


 17.3868, 7.1651,
90.9091

 17.3858, 7.1629,
90.9091

 18.2826, 8.3587,
91.0926

 20.1692, 10.7718,
91.4589

 23.2871, 14.6498,
92.0431

 27.7991, 20.1760,
92.8720

■ 33.8430, 27.5067,
93.9684

■ 41.5400, 36.7803,
95.3527

■ 50.9994, 48.1215,
97.0432

■ 62.3208, 61.6447,
99.0568

■ 75.5966, 77.4558,
101.4089

Harmonies

Analogous

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



8.2075, 7.1651, 130.2436



17.3868, 7.1651, 90.9091



26.4068, 7.1651, 34.3452

Triad

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



17.3868, 7.1651, 90.9091



13.4799, 7.1651, 0.0000



0.2312, 7.1651, 12.1918

Complementary

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



17.3868, 7.1651, 90.9091



70.0266, 81.5277, 12.0477

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.



0.4911, 7.1651, 0.1683



17.3868, 7.1651, 90.9091



5.5813, 7.1651, 0.0000

Square

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



17.3868, 7.1651, 90.9091



23.3008, 7.1651, 0.0000



1.7294, 7.1651, 0.0000



0.8165, 7.1651, 54.9476

Rectangle

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



17.3868, 7.1651, 90.9091



29.1691, 7.1651, 10.7315



1.7294, 7.1651, 0.0000



0.2226, 7.1651, 5.4603

Sweetspot

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



17.3875, 7.1651, 90.9094



53.2826, 50.2594, 101.5005



49.5465, 74.5159, 92.2790



10.4622, 9.6289, 21.5571



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.



17.3875, 7.1651, 90.9094



18.1833, 7.4866, 95.0944



24.0072, 10.3840, 91.1818



16.3494, 16.7755, 21.7616



9.2503, 3.8563, 48.2303



0.8794, 0.4024, 4.4745

Inverse Universe

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



39.4915, 20.3521, 2.1941



41.3073, 21.2869, 2.2843



44.5902, 73.7351, 11.8842



17.2781, 17.2386, 18.0544



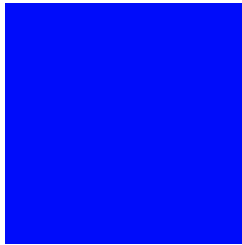
20.9612, 10.8002, 1.2380



1.9528, 1.0048, 0.1748

Previews

White Background



This preview shows how the XYZ color 17.3868, 7.1651, 90.9091 looks on a white background.

Color Contrast Check

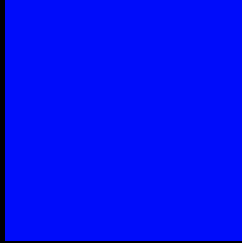
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3868, 7.1651, 90.9091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

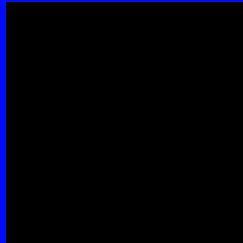
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3868, 7.1651, 90.9091

Background



This preview shows how black text looks on a background with the XYZ color 17.3868, 7.1651, 90.9091.



This preview shows how white text looks on a background with the XYZ color 17.3868, 7.1651,

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

17.3868, 7.1651, 90.9091

Protanopia

8.2153, 7.0982, 31.5089

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

5.0100, 7.2016, 10.3585

Trichromacy



Original Color

17.3868, 7.1651, 90.9091

Protanomaly

10.3691, 6.0418, 48.7638

Deuteranomaly

8.9591, 5.6943, 40.6713

Tritanomaly

6.7795, 5.1327, 28.2372

Monochromacy



Original Color

17.3868, 7.1651, 90.9091

Achromatopsia

1.6769, 1.7642, 1.9212

Achromatomaly

3.7825, 2.1809, 16.1412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3868, 7.1651, 90.9091 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, 12, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 12, 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, 12, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 12, 250) }
```

Border

The CSS property to change the border of an element to XYZ 17.3868, 7.1651, 90.9091 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, 12, 250) }
```


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

```
.border{ border-color:rgb(0, 12, 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, 12, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 12, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 12, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 12, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.3868, 7.1651, 90.9091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 12, 250) }
```

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

```
.background{ background-color: rgb(0, 12,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor