

Converting Colors

XYZ(17.4949, 7.4064, 90.8678)

Have a look what the booklet for
XYZ(17.4949, 7.4064, 90.8678)
contains.

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Color

**XYZ(17.5055, 7.4024,
90.9487)**

Conversions

Conversions Part 1

Format	Color
Hex	0014FA
RGB	0, 20, 250
RGB Percent	0%, 8%, 98%
CMY	0.9997, 0.9216, 0.0196
CMYK	1.00, 0.92, 0.00, 0.02
HSL	235°, 100%, 49%
HSV	235°, 100%, 98%
XYZ	17.5055, 7.4024, 90.9487
YIQ	40.2400, -85.7500, 67.2900

Conversions

Conversions Part 2

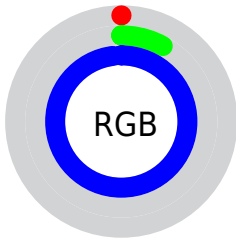
Format	Color
RYB	0, 19, 250
Decimal	5370
CIELab	32.71, 74.54, -104.38
CIElCh	33, 128.261, 305.531
Yxy	7.4024, 0.1511, 0.0639
Android (android.graphics.Color)	4278195450 (0xFF0014FA)
YUV	40.2400, 103.4117, -35.2905
Hunter-Lab	27.2074, 67.2359, -179.1494

Details

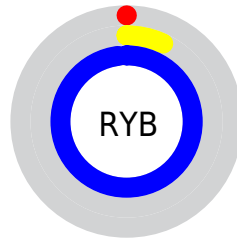
The XYZ color **17.5055, 7.4024, 90.9487** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **67.7479, 76.9703, 11.2883**, and the grayscale version is **1.9559, 2.0577, 2.2409**.

A 20% lighter version of the original color is **28.3821, 16.5907, 96.3142**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **17.5040, 7.3994, 90.9485**, and if you desaturate by 10%, it is **18.5218, 8.8370, 91.1724**.

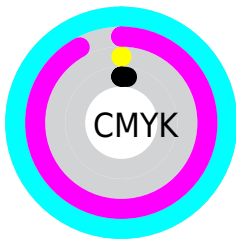
Distribution



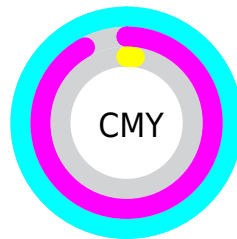
- Red (0%)
- Green (8%)
- Blue (98%)



- Red (0%)
- Yellow (7%)
- Blue (98%)



- Cyan (100%)
- Magenta (92%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (92%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5055, 7.4024, 90.9487 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 17.5055, 7.4024, 90.9487 by changing the saturation by 10% instead.

■ 17.5055, 7.4024,
90.9487

■ 17.5055, 7.4024,
90.9487

231.1687,
170.9667, 551.7617

■ 10.6931, 3.7150,
68.1896

■ 38.7296, 20.7783,
150.6025

■ 5.9266, 1.5155,
49.5844

■ 53.8720, 31.2355,
188.3343

■ 2.8407, 0.2996,
34.7144

■ 72.5218, 44.7182,
231.8941

■ 1.0701, 0.0000,
23.1612

■ 95.0443, 61.6107,
281.7004

■ 0.0000, 0.0000,
14.5061

■ 121.8049, 82.2974,
338.1717


■ 0.0000, 0.0000,
8.3308


■ 153.1689,


■ 0.0000, 0.0000,


107.1627, 401.7267

4.2165


 189.5017,
136.5910, 472.7838

 0.0000, 0.0000,
1.7449


 0.0000, 0.0000,
0.3912


 17.5055, 7.4024,
90.9487


 17.5055, 7.4024,
90.9487

 17.5040, 7.3994,
90.9485

 18.5218, 8.8370,
91.1724

 20.5228, 11.4787,
91.5768

 23.7362, 15.5475,
92.1928

 28.3156, 21.2083,
93.0441

■ 34.3919, 28.6035,
94.1512

■ 42.0803, 37.8595,
95.5326

■ 51.4849, 49.0910,
97.2048

■ 62.7010, 62.4034,
99.1832

■ 75.8170, 77.8944,
101.4820

Harmonies

Analogous

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



8.3534, 7.4024, 129.0209



17.5055, 7.4024, 90.9487



26.5094, 7.4024, 35.0745

Triad

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



17.5055, 7.4024, 90.9487



13.8425, 7.4024, 0.0000



0.3249, 7.4024, 12.1695

Complementary

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



17.5055, 7.4024, 90.9487



67.7479, 76.9703, 11.2883

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.



0.5916, 7.4024, 0.2282



17.5055, 7.4024, 90.9487



5.8645, 7.4024, 0.0000

Square

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



17.5055, 7.4024, 90.9487



23.6122, 7.4024, 0.0000



1.8875, 7.4024, 0.0000



0.8944, 7.4024, 54.2095

Rectangle

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



17.5055, 7.4024, 90.9487



29.3122, 7.4024, 11.2934



1.8875, 7.4024, 0.0000



0.3199, 7.4024, 5.5113

Sweetspot

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



17.5062, 7.4024, 90.9490



53.7890, 51.2722, 101.6693



48.3538, 74.0388, 85.9982



10.5771, 9.8587, 21.5954



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.



17.5062, 7.4024, 90.9490



18.3057, 7.7313, 95.1352



22.9898, 9.8596, 91.1343



16.3941, 16.8650, 21.7765



9.3240, 4.0036, 48.2549



0.9006, 0.4449, 4.4816

Inverse Universe

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



39.5515, 20.3762, 2.5094



41.3691, 21.3116, 2.6096



46.0164, 74.4704, 11.9511



17.3007, 17.2476, 18.1733



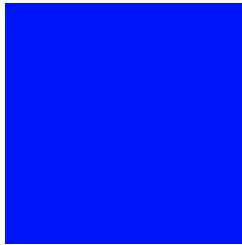
20.9984, 10.8151, 1.4338



1.9635, 1.0091, 0.2313

Previews

White Background



This preview shows how the XYZ color 17.5055, 7.4024, 90.9487 looks on a white background.

Color Contrast Check

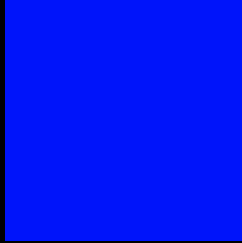
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5055, 7.4024, 90.9487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

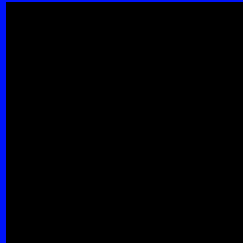
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5055, 7.4024, 90.9487

Background



This preview shows how black text looks on a background with the XYZ color 17.5055, 7.4024, 90.9487.



This preview shows how white text looks on a background with the XYZ color 17.5055, 7.4024,

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

17.5055, 7.4024, 90.9487

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

6.9608, 7.2579, 22.8638



Tritanopia

5.0517, 7.2183, 10.5782

Trichromacy



Original Color

17.5055, 7.4024, 90.9487

Protanomaly

10.6134, 6.3560, 49.3826

Deuteranomaly

9.2509, 6.1213, 41.2514

Tritanomaly

7.0140, 5.4756, 28.7042

Monochromacy



Original Color

17.5055, 7.4024, 90.9487

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

4.0971, 2.5553, 16.8003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5055, 7.4024, 90.9487 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, 20, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 20, 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, 20, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 20, 250) }
```

Border

The CSS property to change the border of an element to XYZ 17.5055, 7.4024, 90.9487 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, 20, 250) }
```


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

```
.border{ border-color:rgb(0, 20, 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, 20, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 20, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 20, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 20, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5055, 7.4024, 90.9487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 20, 250) }
```

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

```
.background{ background-color: rgb(0, 20,  
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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