

Converting Colors

XYZ(17.2847, 6.9859, 90.7977)

Have a look what the booklet for
XYZ(17.2847, 6.9859, 90.7977)
contains.

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Color

**XYZ(17.2987, 6.9890,
90.8797)**

Conversions

Conversions Part 1

Format	Color
Hex	0004FA
RGB	0, 4, 250
RGB Percent	0%, 2%, 98%
CMY	0.9997, 0.9844, 0.0196
CMYK	1.00, 0.98, 0.00, 0.02
HSL	239°, 100%, 49%
HSV	239°, 100%, 98%
XYZ	17.2987, 6.9890, 90.8797
YIQ	30.8480, -81.3500, 75.6580

Conversions

Conversions Part 2

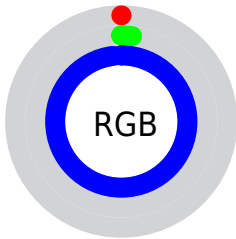
Format	Color
RYB	0, 4, 250
Decimal	1274
CIELab	31.78, 77.40, -105.92
CIELCh	32, 131.188, 306.155
Yxy	6.9890, 0.1502, 0.0607
Android (android.graphics.Color)	4278191354 (0xFF0004FA)
YUV	30.8480, 108.0419, -27.0537
Hunter-Lab	26.4367, 70.5361, -185.3115

Details

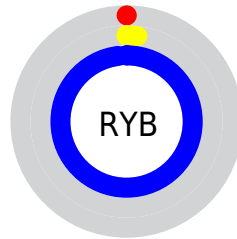
The XYZ color **17.2987, 6.9890, 90.8797** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **72.4078, 86.2902, 12.8413**, and the grayscale version is **1.2252, 1.2890, 1.4037**.

A 20% lighter version of the original color is **28.1131, 15.8478, 96.1849**, and **9.5144, 3.8058, 50.1023** is the 20% darker color. If you saturate the color by 10%, you get **17.2978, 6.9871, 90.8797**, and if you desaturate by 10%, it is **18.0873, 7.9683, 91.0275**.

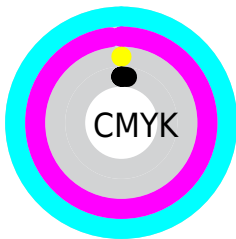
Distribution



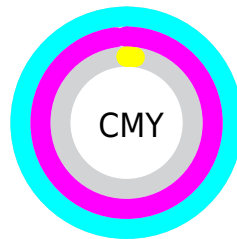
- Red (0%)
- Green (2%)
- Blue (98%)



- Red (0%)
- Yellow (2%)
- Blue (98%)



- Cyan (100%)
- Magenta (98%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (98%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2987, 6.9890, 90.8797 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 17.2987, 6.9890, 90.8797 by changing the saturation by 10% instead.

■ 17.2987, 6.9890,
90.8797

■ 17.2987, 6.9890,
90.8797

230.0107,
167.5723, 551.5321

■ 10.5443, 3.4552,
68.1327

■ 38.3782, 19.9511,
150.5059

■ 5.8263, 1.3738,
49.5383

■ 53.4339, 30.1482,
188.2222

■ 2.7794, 0.1973,
34.6781

■ 71.9876, 43.3351,
231.7653

■ 1.0382, 0.0000,
23.1334

■ 94.4044, 59.8964,
281.5537

■ 0.0000, 0.0000,
14.4858

■ 121.0497, 80.2164,
338.0061

■ 0.0000, 0.0000,
8.3168


■ 152.2890,


■ 0.0000, 0.0000,


104.6794, 401.5409

4.2076


 188.4875,
133.6699, 472.5768

 0.0000, 0.0000,
1.7399


 0.0000, 0.0000,
0.3879


 17.2987, 6.9890,
90.8797


 17.2987, 6.9890,
90.8797

 17.2978, 6.9871,
90.8797

 18.0873, 7.9683,
91.0275

 19.8562, 10.1461,
91.3546

 22.8729, 13.8219,
91.9051

 27.3106, 19.1997,
92.7092

■ 33.3151, 26.4519,
93.7926

■ 41.0141, 35.7297,
95.1776

■ 50.5224, 47.1691,
96.8845

■ 61.9445, 60.8940,
98.9316

■ 75.3772, 77.0192,
101.3361

Harmonies

Analogous

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



8.0989, 6.9890, 131.1810



17.2987, 6.9890, 90.8797



26.3309, 6.9890, 33.7979

Triad

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



17.2987, 6.9890, 90.8797



13.2093, 6.9890, 0.0000



0.1601, 6.9890, 12.2111

Complementary

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



17.2987, 6.9890, 90.8797



72.4078, 86.2902, 12.8413

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.



0.4150, 6.9890, 0.1232



17.2987, 6.9890, 90.8797



5.3727, 6.9890, 0.0000

Square

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



17.2987, 6.9890, 90.8797



23.0671, 6.9890, 0.0000



1.6156, 6.9890, 0.0000



0.7584, 6.9890, 55.5180

Rectangle

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



17.2987, 6.9890, 90.8797



29.0625, 6.9890, 10.3172



1.6156, 6.9890, 0.0000



0.1489, 6.9890, 5.4231

Sweetspot

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



17.2994, 6.9890, 90.8800



52.7852, 49.2646, 101.3347



50.7958, 75.0155, 98.8581



10.3498, 9.4040, 21.5196



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.



17.2994, 6.9890, 90.8800



18.0933, 7.3066, 95.0644



25.1229, 10.9591, 91.2339



16.3048, 16.6865, 21.7467



9.1848, 3.7252, 48.2085



0.8581, 0.3599, 4.4674

Inverse Universe

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



39.4470, 20.3342, 1.9601



41.2619, 21.2687, 2.0451



43.2697, 73.0543, 11.8223



17.2556, 17.2296, 17.9360



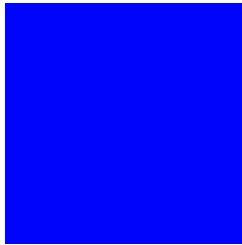
20.9281, 10.7870, 1.0638



1.9421, 1.0006, 0.1183

Previews

White Background



This preview shows how the XYZ color 17.2987, 6.9890, 90.8797 looks on a white background.

Color Contrast Check

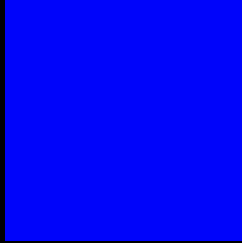
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2987, 6.9890, 90.8797 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 17.2987, 6.9890, 90.8797

Background



This preview shows how black text looks on a background with the XYZ color 17.2987, 6.9890, 90.8797.



This preview shows how white text looks on a background with the XYZ color 17.2987, 6.9890,

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

17.2987, 6.9890, 90.8797

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

4.9318, 7.0452, 10.3325

Trichromacy



Original Color

17.2987, 6.9890, 90.8797

Protanomaly

10.1341, 5.7447, 48.1517

Deuteranomaly

8.8238, 5.4236, 40.6262

Tritanomaly

6.6326, 4.8390, 28.1882

Monochromacy



Original Color

17.2987, 6.9890, 90.8797

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

3.4259, 1.8328, 15.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2987, 6.9890, 90.8797 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, 4, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 4, 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, 4, 250) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 17.2987, 6.9890, 90.8797 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, 4, 250) }
```


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

```
.border{ border-color:rgb(0, 4, 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, 4, 250)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 17.2987, 6.9890, 90.8797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 4, 250) }
```

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

```
.background{ background-color: rgb(0, 4,  
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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