

Converting Colors

XYZ(17.3718, 7.0103, 88.7217)

Have a look what the booklet for
XYZ(17.3718, 7.0103, 88.7217)
contains.

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Color

**XYZ(17.3239, 6.9914,
88.4321)**

Conversions

Conversions Part 1

Format	Color
Hex	1E00F7
RGB	30, 0, 247
RGB Percent	12%, 0%, 97%
CMY	0.8822, 1.0000, 0.0314
CMYK	0.88, 1.00, 0.00, 0.03
HSL	247°, 100%, 48%
HSV	247°, 100%, 97%
XYZ	17.3239, 6.9914, 88.4321
YIQ	37.1280, -61.4070, 83.1770

Conversions

Conversions Part 2

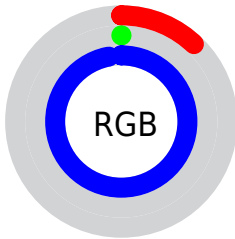
Format	Color
RYB	30, 0, 247
Decimal	1966327
CIELab	31.79, 77.51, -104.21
CIElCh	32, 129.875, 306.642
Yxy	6.9914, 0.1537, 0.0620
Android (android.graphics.Color)	4280156407 (0xFF1E00F7)
YUV	37.1280, 103.4669, -6.2513
Hunter-Lab	26.4413, 70.6782, -179.7850

Details

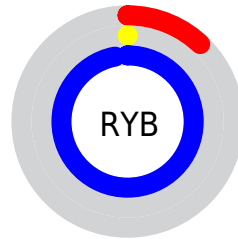
The XYZ color **17.3239, 6.9914, 88.4321** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **61.8675, 81.2690, 12.4257**, and the grayscale version is **1.6913, 1.7794, 1.9377**.

A 20% lighter version of the original color is **28.7607, 16.0865, 96.1969**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **17.3248, 6.9919, 88.4325**, and if you desaturate by 10%, it is **18.5320, 8.1208, 88.5867**.

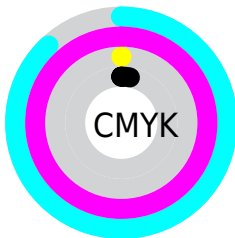
Distribution



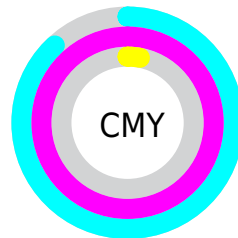
- Red (12%)
- Green (0%)
- Blue (97%)



- Red (12%)
- Yellow (0%)
- Blue (97%)



- Cyan (88%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (88%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3239, 6.9914, 88.4321 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 17.3239, 6.9914, 88.4321 by changing the saturation by 10% instead.

■ 17.3239, 6.9914,
88.4321

■ 17.3239, 6.9914,
88.4321

230.1521,
167.5922, 543.3552

■ 10.5624, 3.4567,
66.1146

■ 38.4210, 19.9559,
147.0750

■ 5.8385, 1.3746,
47.9084

■ 53.4874, 30.1545,
184.2375

■ 2.7869, 0.1979,
33.3949

■ 72.0527, 43.3432,
227.1854

■ 1.0421, 0.0000,
22.1555

■ 94.4825, 59.9065,
276.3373

■ 0.0000, 0.0000,
13.7718

■ 121.1419, 80.2286,
332.1117


■ 0.0000, 0.0000,
7.8252


■ 152.3964,

■ 0.0000, 0.0000,


104.6940, 394.9271


3.8971

 188.6114,
133.6871, 465.2021

 0.0000, 0.0000,
1.5691


 0.0000, 0.0000,
0.2686


 17.3239, 6.9914,
88.4321


 17.3239, 6.9914,
88.4321

 17.3248, 6.9919,
88.4325

 18.5320, 8.1208,
88.5867

 20.6836, 10.3787,
88.9092

 23.9759, 14.0657,
89.4473

 28.5432, 19.3706,
90.2305

■ 34.5004, 26.4531,
91.2836

■ 41.9496, 35.4536,
92.6283

■ 50.9830, 46.4984,
94.2840

■ 61.6854, 59.7029,
96.2686

■ 74.1357, 75.1740,
98.5987

Harmonies

Analogous

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



8.2076, 6.9914, 128.5741



17.3239, 6.9914, 88.4321



26.1531, 6.9914, 32.6629

Triad

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



17.3239, 6.9914, 88.4321



12.9783, 6.9914, 0.0000



0.1956, 6.9914, 12.5816

Complementary

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



17.3239, 6.9914, 88.4321



61.8675, 81.2690, 12.4257

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.



0.4341, 6.9914, 0.2317



17.3239, 6.9914, 88.4321



5.2947, 6.9914, 0.0000

Square

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



17.3239, 6.9914, 88.4321



22.6937, 6.9914, 0.0000



1.6122, 6.9914, 0.0000



0.8008, 6.9914, 55.6467

Rectangle

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



17.3239, 6.9914, 88.4321



28.7486, 6.9914, 9.9217



1.6122, 6.9914, 0.0000



0.1797, 6.9914, 5.6926

Sweetspot

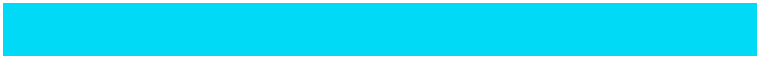
The Sweet Spot groups the original color and five complimentary colors.



17.3248, 6.9919, 88.4325



54.7600, 49.9262, 101.3583



41.9076, 56.9536, 96.7804



10.7980, 9.5547, 21.5251



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.



17.3248, 6.9919, 88.4325



18.6151, 7.5113, 95.0764



29.7969, 13.4214, 89.0161



15.7683, 16.0232, 20.8043



9.2239, 3.7294, 46.7717



0.8696, 0.3582, 4.1135

Inverse Universe

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



50.8785, 24.7825, 67.7276



54.6942, 26.6417, 72.7791



37.9474, 68.9378, 11.3063



17.1218, 16.7316, 20.3879



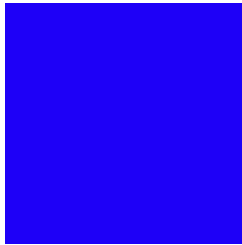
26.9436, 13.1209, 36.0068



2.3920, 1.1628, 3.2907

Previews

White Background



This preview shows how the XYZ color 17.3239, 6.9914, 88.4321 looks on a white background.

Color Contrast Check

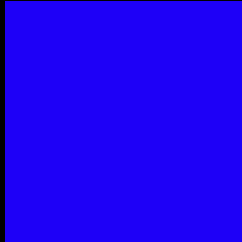
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3239, 6.9914, 88.4321 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 17.3239, 6.9914, 88.4321

Background



This preview shows how black text looks on a background with the XYZ color 17.3239, 6.9914, 88.4321.



This preview shows how white text looks on a background with the XYZ color 17.3239, 6.9914,

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



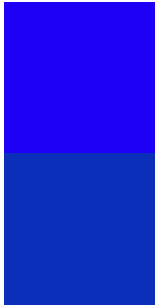
Original Color

17.3239, 6.9914, 88.4321

Protanopia

8.1323, 7.0650, 31.0721

Trichromacy



Original Color

17.3239, 6.9914, 88.4321

Protanomaly

10.0846, 5.6130, 47.5656

Monochromacy



Original Color

17.3239, 6.9914, 88.4321

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

3.9670, 2.1856, 15.8356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3239, 6.9914, 88.4321 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(30, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(30, 0, 247)  
}
```

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(30, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 17.3239, 6.9914, 88.4321 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(30, 0, 247) }
```

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

```
.border{ border-color:rgb(30, 0, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 0, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(30, 0, 247)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.3239, 6.9914, 88.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 0, 247) }
```

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

```
.background{ background-color: rgb(30, 0,  
247) }
```

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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