

Converting Colors

XYZ(16.9812, 6.8537, 86.6541)

Have a look what the booklet for
XYZ(16.9812, 6.8537, 86.6541)
contains.

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Color

**XYZ(17.0169, 6.8686,
86.8151)**

Conversions

Conversions Part 1

Format	Color
Hex	1E00F5
RGB	30, 0, 245
RGB Percent	12%, 0%, 96%
CMY	0.8822, 1.0000, 0.0392
CMYK	0.88, 1.00, 0.00, 0.04
HSL	247°, 100%, 48%
HSV	247°, 100%, 96%
XYZ	17.0169, 6.8686, 86.8151
YIQ	36.9000, -60.7650, 82.5550

Conversions

Conversions Part 2

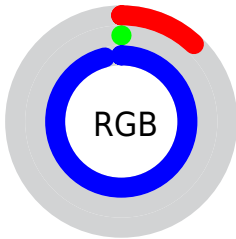
Format	Color
R_{YB}	30, 0, 245
Decimal	1966325
CIE _{Lab}	31.51, 77.04, -103.55
CIE _{LCh}	32, 129.064, 306.649
Yxy	6.8686, 0.1537, 0.0620
Android (android.graphics.Color)	4280156405 (0xFF1E00F5)
YUV	36.9000, 102.5933, -6.0513
Hunter-Lab	26.2080, 70.0363, -178.0549

Details

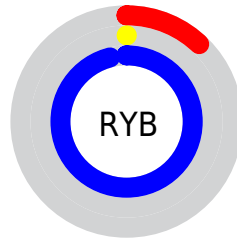
The XYZ color **17.0169, 6.8686, 86.8151** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **60.6677, 79.7474, 12.1953**, and the grayscale version is **1.6736, 1.7608, 1.9175**.

A 20% lighter version of the original color is **28.6154, 16.0116, 96.1901**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **17.0178, 6.8691, 86.8155**, and if you desaturate by 10%, it is **18.2106, 7.9843, 86.9678**.

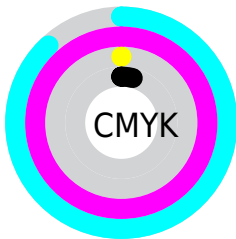
Distribution



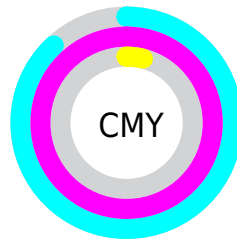
- Red (12%)
- Green (0%)
- Blue (96%)



- Red (12%)
- Yellow (0%)
- Blue (96%)



- Cyan (88%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (88%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0169, 6.8686, 86.8151 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 17.0169, 6.8686, 86.8151 by changing the saturation by 10% instead.


 17.0169, 6.8686,
86.8151


 17.0169, 6.8686,
86.8151


228.4241,
166.5673, 537.9155


 10.3419, 3.3801,
64.7835


 37.8982, 19.7084,
144.8030


 5.6902, 1.3332,
46.8353


 52.8352, 29.8284,
181.5963


 2.6965, 0.1667,
32.5520


 71.2570, 42.9277,
224.1473

 0.9954, 0.0000,
21.5152

 93.5288, 59.3907,
272.8744

 0.0000, 0.0000,
13.3062

 120.0161, 79.6018,
328.1962

 0.0000, 0.0000,
7.5065


 151.0842,


 0.0000, 0.0000,


103.9453, 390.5314


3.6976


 187.0984,
132.8057, 460.2983


 0.0000, 0.0000,
1.4610


 0.0000, 0.0000,
0.1886


 17.0169, 6.8686,
86.8151


 17.0169, 6.8686,
86.8151

 17.0178, 6.8691,
86.8155

 18.2106, 7.9843,
86.9678

 20.3294, 10.2067,
87.2851

 23.5669, 13.8311,
87.8141

 28.0542, 19.0423,
88.5834

■ 33.9039, 25.9969,
89.6175

■ 41.2159, 34.8324,
90.9375

■ 50.0804, 45.6724,
92.5627

■ 60.5804, 58.6301,
94.5103

■ 72.7930, 73.8101,
96.7967

Harmonies

Analogous

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



8.0645, 6.8686, 126.2314



17.0169, 6.8686, 86.8151



25.6852, 6.8686, 32.0662

Triad

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



17.0169, 6.8686, 86.8151



12.7456, 6.8686, 0.0000



0.1856, 6.8686, 12.3643

Complementary

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



17.0169, 6.8686, 86.8151



60.6677, 79.7474, 12.1953

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.



0.4225, 6.8686, 0.2212



17.0169, 6.8686, 86.8151



5.2009, 6.8686, 0.0000

Square

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



17.0169, 6.8686, 86.8151



22.2853, 6.8686, 0.0000



1.5844, 6.8686, 0.0000



0.7873, 6.8686, 54.6539

Rectangle

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



17.0169, 6.8686, 86.8151



28.2324, 6.8686, 9.7416



1.5844, 6.8686, 0.0000



0.1698, 6.8686, 5.5966

Sweetspot

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



17.0178, 6.8691, 86.8155



54.7789, 49.9359, 101.3592



41.1443, 55.9183, 95.0113



10.8023, 9.5570, 21.5253



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.



17.0178, 6.8691, 86.8155



18.6229, 7.5153, 95.0768



29.2595, 13.1799, 87.3884



15.7699, 16.0240, 20.8043



9.2281, 3.7316, 46.7719



0.8704, 0.3585, 4.1136

Inverse Universe

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



49.9181, 24.3172, 66.3316



54.6597, 26.6279, 72.5969



37.2601, 67.6803, 11.0998



17.1210, 16.7313, 20.3840



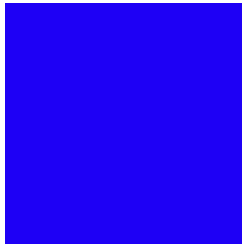
26.9268, 13.1142, 35.9186



2.3907, 1.1622, 3.2838

Previews

White Background



This preview shows how the XYZ color 17.0169, 6.8686, 86.8151 looks on a white background.

Color Contrast Check

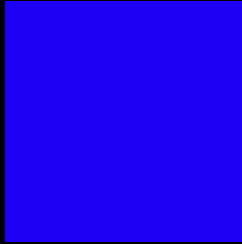
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0169, 6.8686, 86.8151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

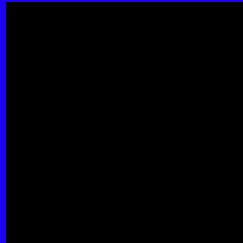
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0169, 6.8686, 86.8151

Background



This preview shows how black text looks on a background with the XYZ color 17.0169, 6.8686, 86.8151.



This preview shows how white text looks on a background with the XYZ color 17.0169, 6.8686, 86.8151.

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

17.0169, 6.8686, 86.8151

Protanopia

8.0500, 7.0321, 30.6388

Deuteranopia

6.6868, 7.0338, 21.7741



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

17.0169, 6.8686, 86.8151

Protanomaly

9.9779, 5.5703, 47.0037

Deuteranomaly

8.6293, 5.2926, 39.0948

Tritanomaly

6.4452, 4.6310, 26.9397

Monochromacy



Original Color

17.0169, 6.8686, 86.8151

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 17.0169, 6.8686, 86.8151 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(30, 0, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 17.0169, 6.8686, 86.8151 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, 245) }
```


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

```
.border{ border-color:rgb(30, 0, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(30, 0, 245)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.0169, 6.8686, 86.8151 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, 245) }
```

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

```
.background{ background-color: rgb(30, 0,  
245) }
```

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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