

Converting Colors

XYZ(16.7327, 6.8298, 85.2316)

Have a look what the booklet for
XYZ(16.7327, 6.8298, 85.2316)
contains.

XYZ(16.7278, 6.8191, 85.2286)	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(16.7278, 6.8191,
85.2286)**

Conversions

Conversions Part 1

Format	Color
Hex	1D04F3
RGB	29, 4, 243
RGB Percent	11%, 2%, 95%
CMY	0.8862, 0.9844, 0.0471
CMYK	0.88, 0.98, 0.00, 0.05
HSL	246°, 97%, 48%
HSV	246°, 98%, 95%
XYZ	16.7278, 6.8191, 85.2286
YIQ	38.7210, -61.8190, 79.6290

Conversions

Conversions Part 2

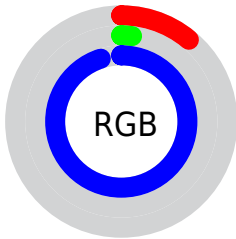
Format	Color
R_{YB}	29, 4, 243
Decimal	1901811
CIE Lab	31.39, 75.93, -102.61
CIE LCh	31, 127.647, 306.500
Yxy	6.8191, 0.1538, 0.0627
Android (android.graphics.Color)	4280091891 (0xFF1D04F3)
YUV	38.7210, 100.7095, -8.5253
Hunter-Lab	26.1134, 68.6456, -175.2306

Details

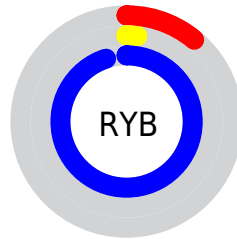
The XYZ color **16.7278, 6.8191, 85.2286** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **60.9695, 79.0071, 12.1506**, and the grayscale version is **1.8241, 1.9191, 2.0899**.

A 20% lighter version of the original color is **28.6795, 16.1398, 96.2115**, and **8.7570, 3.5028, 46.1135** is the 20% darker color. If you saturate the color by 10%, you get **16.5904, 6.6838, 85.2100**, and if you desaturate by 10%, it is **17.9540, 8.0130, 85.3947**.

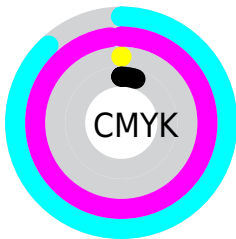
Distribution



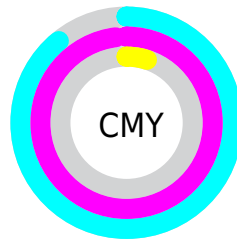
- Red (11%)
- Green (2%)
- Blue (95%)



- Red (11%)
- Yellow (2%)
- Blue (95%)



- Cyan (88%)
- Magenta (98%)
- Yellow (0%)
- Black (5%)



- Cyan (89%)
- Magenta (98%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7278, 6.8191, 85.2286 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 16.7278, 6.8191, 85.2286 by changing the saturation by 10% instead.

■ 16.7278, 6.8191,
85.2286

■ 16.7278, 6.8191,
85.2286

226.7858,
166.1520, 532.5485

■ 10.1347, 3.3492,
63.4790

■ 37.4045, 19.6084,
142.5695

■ 5.5513, 1.3167,
45.7854

■ 52.2188, 29.6965,
178.9980

■ 2.6123, 0.1540,
31.7290

■ 70.5043, 42.7596,
221.1565

■ 0.9522, 0.0000,
20.8915

■ 92.6262, 59.1819,
269.4635

■ 0.0000, 0.0000,
12.8543

■ 118.9500, 79.3479,
324.3377

■ 0.0000, 0.0000,
7.1987


■ 149.8409,


■ 0.0000, 0.0000,

103.6420, 386.1976

3.5064


 185.6644,
132.4486, 455.4617

 0.0000, 0.0000,
1.3586

 0.0000, 0.0000,
0.1091


 16.7278, 6.8191,
85.2286


 16.7278, 6.8191,
85.2286

 16.5904, 6.6838,
85.2100

 17.9540, 8.0130,
85.3947

 20.1443, 10.3773,
85.7356

 23.4688, 14.1566,
86.2899

 28.0567, 19.5287,
87.0850

■ 34.0193, 26.6451,
88.1443

■ 41.4555, 35.6396,
89.4885

■ 50.4554, 46.6330,
91.1361

■ 61.1013, 59.7357,
93.1041

■ 73.4703, 75.0503,
95.4082

Harmonies

Analogous

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



7.9564, 6.8191, 123.4285



16.7278, 6.8191, 85.2286



25.2289, 6.8191, 31.7385

Triad

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



16.7278, 6.8191, 85.2286



12.6337, 6.8191, 0.0000



0.2070, 6.8191, 12.1018

Complementary

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



16.7278, 6.8191, 85.2286



60.9695, 79.0071, 12.1506

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.



0.4455, 6.8191, 0.2254



16.7278, 6.8191, 85.2286



5.2009, 6.8191, 0.0000

Square

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



16.7278, 6.8191, 85.2286



21.9761, 6.8191, 0.0000



1.6076, 6.8191, 0.0000



0.7982, 6.8191, 53.3145

Rectangle

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



16.7278, 6.8191, 85.2286



27.7459, 6.8191, 9.7582



1.6076, 6.8191, 0.0000



0.1928, 6.8191, 5.4967

Sweetspot

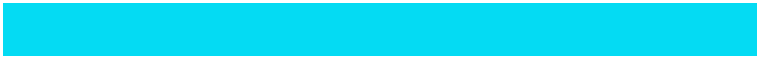
The Sweet Spot groups the original color and five complimentary colors.



16.7285, 6.8191, 85.2289



54.4461, 49.7644, 101.3436



41.5846, 57.2109, 93.6454



10.7264, 9.5178, 21.5217



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.



16.7285, 6.8191, 85.2289



18.4949, 7.4493, 95.0708



28.3237, 12.7966, 85.7715



15.7423, 16.0098, 20.8031



9.1576, 3.6952, 46.7686



0.8573, 0.3518, 4.1130

Inverse Universe

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



49.6532, 24.2002, 68.3461



55.2811, 26.8765, 75.8696



37.2823, 66.7959, 11.0421



17.1344, 16.7366, 20.4542



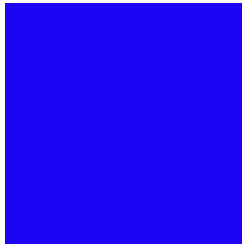
27.2277, 13.2345, 37.5031



2.4142, 1.1716, 3.4073

Previews

White Background



This preview shows how the XYZ color 16.7278, 6.8191, 85.2286 looks on a white background.

Color Contrast Check

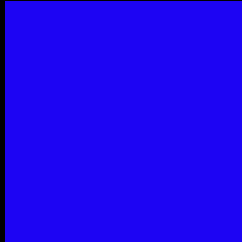
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7278, 6.8191, 85.2286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

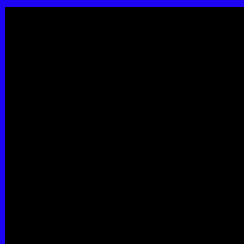
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7278, 6.8191, 85.2286

Background



This preview shows how black text looks on a background with the XYZ color 16.7278, 6.8191, 85.2286.



This preview shows how white text looks on a background with the XYZ color 16.7278, 6.8191,

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

16.7278, 6.8191, 85.2286

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.7278, 6.8191, 85.2286

Protanomaly

9.8063, 5.5649, 45.9047

Deuteranomaly

8.5343, 5.2546, 38.5946

Tritanomaly

6.4912, 4.7231, 26.9551

Monochromacy



Original Color

16.7278, 6.8191, 85.2286

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

4.0432, 2.2884, 15.8514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7278, 6.8191, 85.2286 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(29, 4, 243)` looks like.

```
.text, #text, p{  
    color:rgb(29, 4, 243)  
}
```

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(29, 4, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 4, 243) }
```

Border

The CSS property to change the border of an element to XYZ 16.7278, 6.8191, 85.2286 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(29, 4, 243) }
```


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

```
.border{ border-color:rgb(29, 4, 243) }
```

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

Here you see how a box with a 4 pixel rgb(29, 4, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 4, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 4, 243);  
box-shadow:4px 4px 4px 4px rgb(29, 4, 243)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7278, 6.8191, 85.2286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 4, 243) }
```

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

```
.background{ background-color: rgb(29, 4,  
243) }
```

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