

Converting Colors

XYZ(14.6891, 5.8891, 76.7437)

Have a look what the booklet for
XYZ(14.6891, 5.8891, 76.7437)
contains.

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Color

**XYZ(14.6781, 5.8843,
76.7061)**

Conversions

Conversions Part 1

Format	Color
Hex	0900E8
RGB	9, 0, 232
RGB Percent	4%, 0%, 91%
CMY	0.9645, 1.0000, 0.0902
CMYK	0.96, 1.00, 0.00, 0.09
HSL	242°, 100%, 45%
HSV	242°, 100%, 91%
XYZ	14.6781, 5.8843, 76.7061
YIQ	29.1390, -69.1080, 74.0600

Conversions

Conversions Part 2

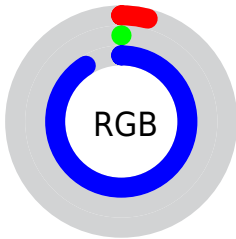
Format	Color
RYB	9, 0, 232
Decimal	590056
CIELab	29.12, 73.78, -100.17
CIELCh	29, 124.406, 306.373
Yxy	5.8843, 0.1509, 0.0605
Android (android.graphics.Color)	4278780136 (0xFF0900E8)
YUV	29.1390, 100.0105, -17.6619
Hunter-Lab	24.2576, 65.5584, -170.5036

Details

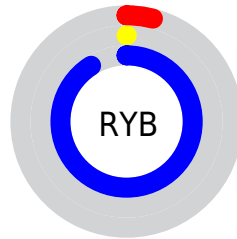
The XYZ color **14.6781, 5.8843, 76.7061** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **59.2713, 73.3927, 11.0423**, and the grayscale version is **1.1187, 1.1770, 1.2817**.

A 20% lighter version of the original color is **27.3196, 15.0672, 96.0761**, and **7.6400, 3.0560, 40.2316** is the 20% darker color. If you saturate the color by 10%, you get **14.6789, 5.8846, 76.7064**, and if you desaturate by 10%, it is **15.4516, 6.7437, 76.8315**.

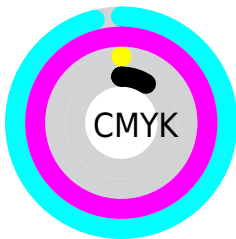
Distribution



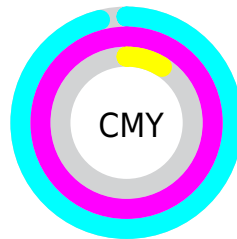
- Red (4%)
- Green (0%)
- Blue (91%)



- Red (4%)
- Yellow (0%)
- Blue (91%)



- Cyan (96%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (96%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6781, 5.8843, 76.7061 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 14.6781, 5.8843, 76.7061 by changing the saturation by 10% instead.

■ 14.6781, 5.8843,
76.7061

■ 14.6781, 5.8843,
76.7061

214.8367,
158.0418, 503.1724

■ 8.6786, 2.7749,
56.5016

■ 33.8638, 17.6906,
130.4937

■ 4.5876, 1.0154,
40.1985

■ 47.7807, 27.1562,
164.9139

■ 2.0396, 0.0000,
27.3784

■ 65.0675, 39.5094,
204.9098

■ 0.6561, 0.0000,
17.6227

■ 86.0895, 55.1345,
250.8998

■ 0.0000, 0.0000,
10.5128

■ 111.2120, 74.4159,
303.3025


■ 0.0000, 0.0000,
5.6302


■ 140.8005, 97.7380,

■ 0.0000, 0.0000,


362.5365


2.5564


 175.2203,
125.4852, 429.0203


 0.0000, 0.0000,
0.8698

 0.0000, 0.0000,
0.0000


 14.6781, 5.8843,
76.7061


 14.6781, 5.8843,
76.7061

 14.6789, 5.8846,
76.7064

 15.4516, 6.7437,
76.8315

 17.0605, 8.5861,
77.1023

 19.7064, 11.6907,
77.5621

 23.5246, 16.2295,
78.2369

■ 28.6301, 22.3479,
79.1488

■ 35.1241, 30.1733,
80.3170

■ 43.0978, 39.8200,
81.7587

■ 52.6346, 51.3926,
83.4898

■ 63.8117, 64.9877,
85.5249

Harmonies

Analogous

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



6.8708, 5.8843, 111.2316



14.6781, 5.8843, 76.7061



22.3152, 5.8843, 28.3097

Triad

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



14.6781, 5.8843, 76.7061



11.0916, 5.8843, 0.0000



0.0458, 5.8843, 10.4606

Complementary

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



14.6781, 5.8843, 76.7061



59.2713, 73.3927, 11.0423

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.



0.2816, 5.8843, 0.0241



14.6781, 5.8843, 76.7061



4.4841, 5.8843, 0.0000

Square

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



14.6781, 5.8843, 76.7061



19.4503, 5.8843, 0.0000



1.3370, 5.8843, 0.0000



0.6187, 5.8843, 47.3910

Rectangle

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



14.6781, 5.8843, 76.7061



24.5982, 5.8843, 8.5549



1.3370, 5.8843, 0.0000



0.0331, 5.8843, 4.6525

Sweetspot

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



14.6789, 5.8846, 76.7064



53.2402, 49.1427, 101.2872



41.2930, 59.2812, 85.6103



10.4526, 9.3767, 21.5089



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.



14.6789, 5.8846, 76.7064



18.1746, 7.2842, 95.0558



22.8393, 10.0915, 77.0883



13.6346, 13.9138, 18.1114



8.1734, 3.2794, 42.5854



0.6225, 0.2519, 3.1478

Inverse Universe

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



46.5908, 22.4806, 71.6570



57.7287, 27.8555, 88.7581



35.0736, 60.9183, 9.9098



14.9695, 14.6050, 18.0400



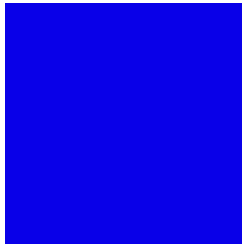
25.8767, 12.4849, 39.8410



1.9198, 0.9256, 2.9843

Previews

White Background



This preview shows how the XYZ color 14.6781, 5.8843, 76.7061 looks on a white background.

Color Contrast Check

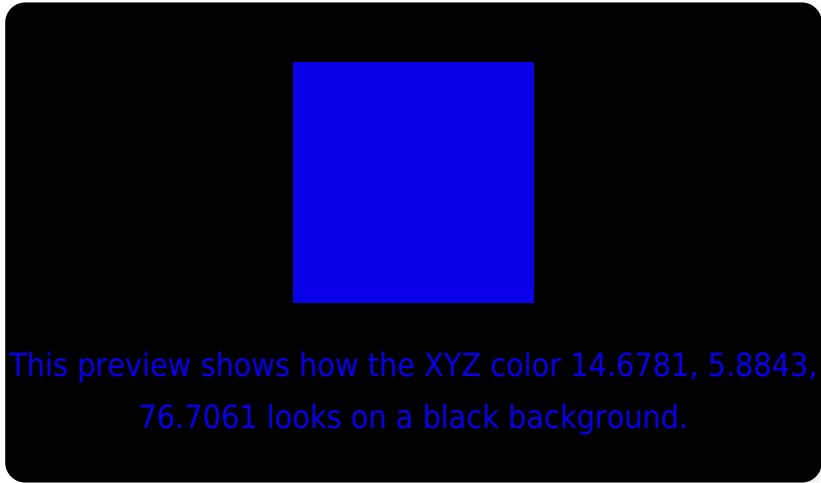
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

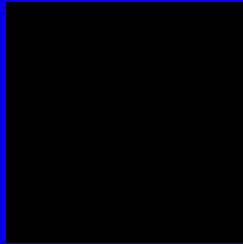
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6781, 5.8843, 76.7061

Background



This preview shows how black text looks on a background with the XYZ color 14.6781, 5.8843, 76.7061.



This preview shows how white text looks on a background with the XYZ color 14.6781, 5.8843,

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

14.6781, 5.8843, 76.7061

Protanopia

6.9496, 6.0872, 26.3999

Deuteranopia

5.7075, 5.9908, 18.6248



Tritanopia

4.2096, 6.0429, 8.7291

Trichromacy



Original Color

14.6781, 5.8843, 76.7061

Protanomaly

8.6393, 4.8423, 41.0367

Deuteranomaly

7.4476, 4.5466, 34.2033

Tritanomaly

5.6221, 4.0781, 23.7834

Monochromacy



Original Color

14.6781, 5.8843, 76.7061

Achromatopsia

1.1678, 1.2286, 1.3380

Achromatomaly

2.9954, 1.5825, 12.9795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6781, 5.8843, 76.7061 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(9, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(9, 0, 232)  
}
```

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(9, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 14.6781, 5.8843, 76.7061 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(9, 0, 232) }
```


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

```
.border{ border-color:rgb(9, 0, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 0, 232); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 0, 232); box-shadow:4px  
4px 4px 4px rgb(9, 0, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6781, 5.8843, 76.7061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 0, 232) }
```

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

```
.background{ background-color: rgb(9, 0,  
232) }
```

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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