

Converting Colors

XYZ(13.7654, 5.8017, 59.1378)

Have a look what the booklet for
XYZ(13.7654, 5.8017, 59.1378)
contains.

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Color

**XYZ(13.7883, 5.8071,
59.4256)**

Conversions

Conversions Part 1

Format	Color
Hex	4600CF
RGB	70, 0, 207
RGB Percent	27%, 0%, 81%
CMY	0.7255, 1.0000, 0.1882
CMYK	0.66, 1.00, 0.00, 0.19
HSL	260°, 100%, 41%
HSV	260°, 100%, 81%
XYZ	13.7883, 5.8071, 59.4256
YIQ	44.5280, -24.7270, 79.2170

Conversions

Conversions Part 2

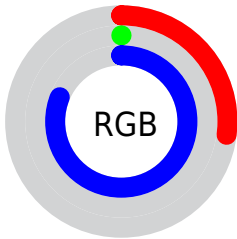
Format	Color
R_{YB}	70, 0, 207
Decimal	4587727
CIE _{Lab}	28.92, 69.10, -85.99
CIE _{LCh}	29, 110.316, 308.782
Yxy	5.8071, 0.1745, 0.0735
Android (android.graphics.Color)	4282777807 (0xFF4600CF)
YUV	44.5280, 80.0987, 22.3389
Hunter-Lab	24.0979, 59.9624, -129.3409

Details

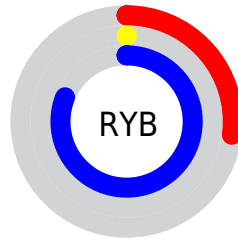
The XYZ color **13.7883, 5.8071, 59.4256** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **32.6281, 49.9434, 7.9204**, and the grayscale version is **2.3716, 2.4951, 2.7171**.

A 20% lighter version of the original color is **30.4946, 16.7946, 96.2422**, and **5.5859, 2.2344, 29.4150** is the 20% darker color. If you saturate the color by 10%, you get **13.7889, 5.8074, 59.4258**, and if you desaturate by 10%, it is **15.1552, 6.9017, 59.5651**.

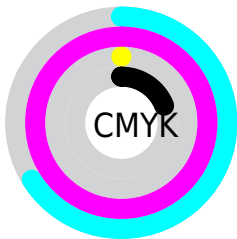
Distribution



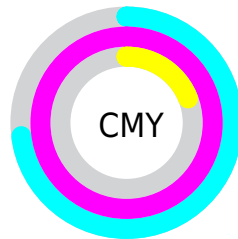
- Red (27%)
- Green (0%)
- Blue (81%)



- Red (27%)
- Yellow (0%)
- Blue (81%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



- Cyan (73%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7883, 5.8071, 59.4256 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 13.7883, 5.8071, 59.4256 by changing the saturation by 10% instead.

■ 13.7883, 5.8071,
59.4256

■ 13.7883, 5.8071,
59.4256

209.4469,
157.3474, 440.2230

■ 8.0543, 2.7281,
42.5336

■ 32.3023, 17.5296,
105.5312

■ 4.1818, 0.9915,
29.1906

■ 45.8131, 26.9419,
135.5818

■ 1.8055, 0.0000,
18.9783

■ 62.6468, 39.2341,
170.8557

■ 0.5210, 0.0000,
11.4779

■ 83.1688, 54.7906,
211.7714

■ 0.0000, 0.0000,
6.2711

■ 107.7444, 73.9958,
258.7474


■ 0.0000, 0.0000,
2.9391


■ 136.7391, 97.2340,

■ 0.0000, 0.0000,

312.2023

1.0636


 170.5181,
124.8898, 372.5547


 0.0000, 0.0000,
0.0000


 13.7883, 5.8071,
59.4256


 13.7883, 5.8071,
59.4256


 13.7889, 5.8074,
59.4258

 15.1552, 6.9017,
59.5651

 17.0426, 8.6825,
59.8093

 19.5595, 11.3475,
60.1910

 22.7695, 15.0063,
60.7281

 26.7275, 19.7517,
61.4354

■ 31.4823, 25.6656,
62.3263

■ 37.0782, 32.8218,
63.4127

■ 43.5560, 41.2879,
64.7054

■ 50.9539, 51.1265,
66.2145

Harmonies

Analogous

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



7.0888, 5.8071, 88.2484



13.7883, 5.8071, 59.4256



19.8120, 5.8071, 22.0080

Triad

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



13.7883, 5.8071, 59.4256



9.6862, 5.8071, 0.0000



0.3817, 5.8071, 11.4104

Complementary

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



13.7883, 5.8071, 59.4256



32.6281, 49.9434, 7.9204

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.



0.5327, 5.8071, 0.6948



13.7883, 5.8071, 59.4256



4.2007, 5.8071, 0.0000

Square

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



13.7883, 5.8071, 59.4256



16.6234, 5.8071, 0.0000



1.4682, 5.8071, 0.0000



0.9480, 5.8071, 42.8351

Rectangle

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



13.7883, 5.8071, 59.4256



21.3441, 5.8071, 6.9146



1.4682, 5.8071, 0.0000



0.3507, 5.8071, 5.7660

Sweetspot

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



13.7889, 5.8074, 59.4258



59.0742, 52.1502, 101.5602



20.3510, 22.6820, 62.3371



11.7936, 10.0680, 21.5717



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.



13.7889, 5.8074, 59.4258



21.9101, 9.2100, 95.2306



28.3858, 13.3324, 60.1090



11.5352, 11.6092, 14.8765



8.7786, 3.7059, 37.4451



0.5748, 0.2505, 2.0976

Inverse Universe

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



30.2470, 15.0713, 24.9787



48.3787, 24.1155, 39.5219



22.9892, 44.9744, 7.4693



12.1338, 11.9383, 13.9803



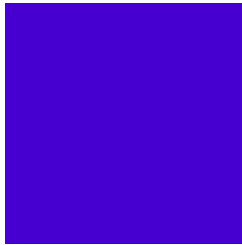
19.1026, 9.5139, 15.9784



1.1043, 0.5465, 1.0843

Previews

White Background



This preview shows how the XYZ color 13.7883, 5.8071, 59.4256 looks on a white background.

Color Contrast Check

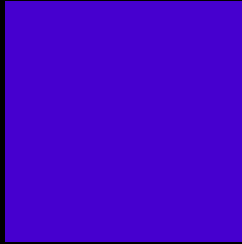
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7883, 5.8071, 59.4256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

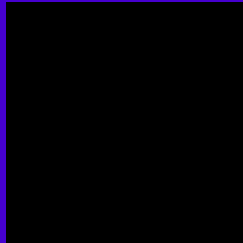
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7883, 5.8071, 59.4256

Background



This preview shows how black text looks on a background with the XYZ color 13.7883, 5.8071, 59.4256.



This preview shows how white text looks on a background with the XYZ color 13.7883, 5.8071,

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

13.7883, 5.8071, 59.4256

Protanopia

6.9496, 6.0872, 26.3999

Deuteranopia

5.7686, 6.0152, 18.9462



Tritanopia

4.2857, 6.0733, 9.1300

Trichromacy



Original Color

13.7883, 5.8071, 59.4256

Protanomaly

8.1477, 4.6876, 36.5518

Deuteranomaly

7.0454, 4.4277, 30.1891

Tritanomaly

5.4378, 4.0464, 20.9165

Monochromacy



Original Color

13.7883, 5.8071, 59.4256

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

4.4594, 2.6625, 13.3756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7883, 5.8071, 59.4256 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(70, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 207)  
}
```

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(70, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 13.7883, 5.8071, 59.4256 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(70, 0, 207) }
```


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

```
.border{ border-color:rgb(70, 0, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 0, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7883, 5.8071, 59.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 207) }
```

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

```
.background{ background-color: rgb(70, 0,  
207) }
```

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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