

Converting Colors

XYZ(13.4014, 5.8830, 46.9672)

Have a look what the booklet for
XYZ(13.4014, 5.8830, 46.9672)
contains.

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Color

**XYZ(13.3771, 5.8723,
46.8828)**

Conversions

Conversions Part 1

Format	Color
Hex	5D00BA
RGB	93, 0, 186
RGB Percent	36%, 0%, 73%
CMY	0.6353, 1.0000, 0.2706
CMYK	0.50, 1.00, 0.00, 0.27
HSL	270°, 100%, 36%
HSV	270°, 100%, 73%
XYZ	13.3771, 5.8723, 46.8828
YIQ	49.0110, -4.2780, 77.5620

Conversions

Conversions Part 2

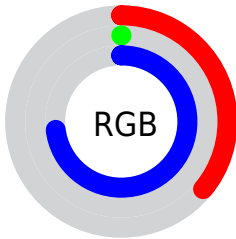
Format	Color
R_{YB}	93, 0, 186
Decimal	6095034
CIE _{Lab}	29.09, 65.74, -73.29
CIE _{LCh}	29, 98.450, 311.892
Yxy	5.8723, 0.2023, 0.0888
Android (android.graphics.Color)	4284285114 (0xFF5D00BA)
YUV	49.0110, 67.5356, 38.5784
Hunter-Lab	24.2328, 56.1288, -97.7443

Details

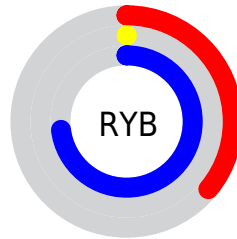
The XYZ color **13.3771, 5.8723, 46.8828** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **22.0728, 37.4449, 6.0642**, and the grayscale version is **2.8488, 2.9972, 3.2639**.

A 20% lighter version of the original color is **31.5047, 17.6237, 86.5353**, and **4.3653, 1.7771, 21.5857** is the 20% darker color. If you saturate the color by 10%, you get **13.3776, 5.8726, 46.8830**, and if you desaturate by 10%, it is **14.6031, 6.8401, 47.0051**.

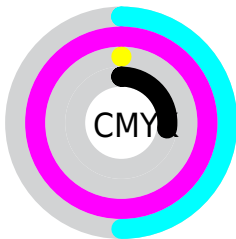
Distribution



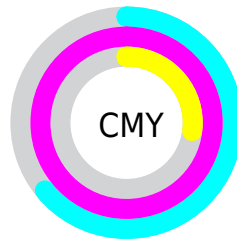
- Red (36%)
- Green (0%)
- Blue (73%)



- Red (36%)
- Yellow (0%)
- Blue (73%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (64%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3771, 5.8723, 46.8828 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 13.3771, 5.8723, 46.8828 by changing the saturation by 10% instead.

■ 13.3771, 5.8723,
46.8828

■ 13.3771, 5.8723,
46.8828

206.9096,
157.9342, 390.7267

■ 7.7675, 2.7676,
32.5893

■ 31.5752, 17.6656,
86.8868

■ 3.9971, 1.0116,
21.5435

■ 44.8944, 27.1230,
113.4344

■ 1.7005, 0.0000,
13.3268

■ 61.5142, 39.4667,
144.9038

■ 0.4566, 0.0000,
7.5206

■ 81.8000, 55.0811,
181.7136

■ 0.0000, 0.0000,
3.7064

■ 106.1171, 74.3507,
224.2822


■ 0.0000, 0.0000,
1.4657

■ 134.8308, 97.6598,

■ 0.0000, 0.0000,

273.0282

0.1922


 168.3065,
125.3928, 328.3702


 0.0000, 0.0000,
0.0000


 13.3771, 5.8723,
46.8828


 13.3771, 5.8723,
46.8828


 13.3776, 5.8726,
46.8830

 14.6031, 6.8401,
47.0051

 16.1625, 8.2996,
47.2047

 18.1390, 10.4121,
47.5083

 20.5756, 13.2582,
47.9292

 23.5088, 16.9062,
48.4787

■ 26.9714, 21.4164,
49.1668

■ 30.9928, 26.8432,
50.0023

■ 35.6001, 33.2362,
50.9934

■ 40.8185, 40.6415,
52.1478

Harmonies

Analogous

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



7.5182, 5.8723, 71.7925



13.3771, 5.8723, 46.8828



18.1484, 5.8723, 17.3062

Triad

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



13.3771, 5.8723, 46.8828



8.6547, 5.8723, 0.0000



0.7090, 5.8723, 12.8198

Complementary

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



13.3771, 5.8723, 46.8828



22.0728, 37.4449, 6.0642

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.



0.7764, 5.8723, 1.4256



13.3771, 5.8723, 46.8828



4.0097, 5.8723, 0.0000

Square

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



13.3771, 5.8723, 46.8828



14.5761, 5.8723, 0.0000



1.6174, 5.8723, 0.0000



1.3490, 5.8723, 40.1981

Rectangle

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



13.3771, 5.8723, 46.8828



19.0757, 5.8723, 5.6250



1.6174, 5.8723, 0.0000



0.6587, 5.8723, 7.2299

Sweetspot

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



13.3776, 5.8726, 46.8830



55.7895, 48.1257, 90.5502



12.7773, 11.3739, 47.9765



11.5825, 9.6421, 19.7932



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3776, 5.8726, 46.8830



23.9680, 10.5002, 84.9649



29.1127, 13.9843, 47.6194



8.9374, 8.9341, 11.3328



9.0865, 3.9954, 31.5454



0.3917, 0.1776, 1.1154

Inverse Universe

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



22.2254, 11.2294, 11.3511



40.1624, 20.3049, 19.9302



17.5590, 35.1179, 5.8530



9.1868, 9.0851, 10.3312



14.9903, 7.5699, 7.8360



0.5597, 0.2794, 0.4408

Previews

White Background



This preview shows how the XYZ color 13.3771, 5.8723, 46.8828 looks on a white background.

Color Contrast Check

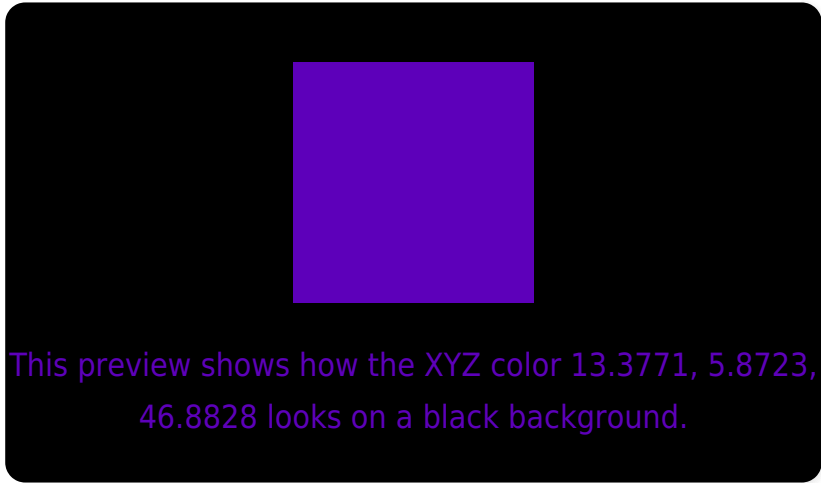
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3771, 5.8723, 46.8828

Background



This preview shows how black text looks on a background with the XYZ color 13.3771, 5.8723, 46.8828.



This preview shows how white text looks on a background with the XYZ color 13.3771, 5.8723,

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

13.3771, 5.8723, 46.8828

Protanopia

7.1622, 6.2699, 27.2183

Deuteranopia

5.9577, 6.1951, 19.6207



Tritanopia

5.7424, 6.2415, 8.1098

Trichromacy



Original Color

13.3771, 5.8723, 46.8828

Protanomaly

7.8184, 4.6446, 33.2853

Deuteranomaly

6.8250, 4.3694, 27.6778

Tritanomaly

7.0119, 4.6942, 17.3661

Monochromacy



Original Color

13.3771, 5.8723, 46.8828

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.9221, 3.0046, 12.1249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3771, 5.8723, 46.8828 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(93, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(93, 0, 186)  
}
```

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(93, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 13.3771, 5.8723, 46.8828 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(93, 0, 186) }
```


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

```
.border{ border-color:rgb(93, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(93, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(93, 0, 186)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3771, 5.8723, 46.8828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 0, 186) }
```

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

```
.background{ background-color: rgb(93, 0,  
186) }
```

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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