

Converting Colors

XYZ(13.4548, 5.8467, 49.8540)

Have a look what the booklet for
XYZ(13.4548, 5.8467, 49.8540)
contains.

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Color

**XYZ(13.4285, 5.8363,
49.7090)**

Conversions

Conversions Part 1

Format	Color
Hex	5800BF
RGB	88, 0, 191
RGB Percent	35%, 0%, 75%
CMY	0.6549, 1.0000, 0.2510
CMYK	0.54, 1.00, 0.00, 0.25
HSL	268°, 100%, 37%
HSV	268°, 100%, 75%
XYZ	13.4285, 5.8363, 49.7090
YIQ	48.0860, -8.8630, 78.0570

Conversions

Conversions Part 2

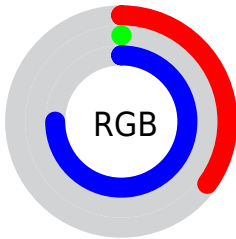
Format	Color
RYB	88, 0, 191
Decimal	5767359
CIELab	29.00, 66.47, -76.42
CIELCh	29, 101.283, 311.015
Yxy	5.8363, 0.1947, 0.0846
Android (android.graphics.Color)	4283957439 (0xFF5800BF)
YUV	48.0860, 70.4566, 35.0046
Hunter-Lab	24.1584, 56.9422, -105.0857

Details

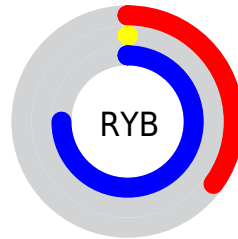
The XYZ color **13.4285, 5.8363, 49.7090** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **24.2238, 40.1450, 6.4720**, and the grayscale version is **2.7458, 2.8888, 3.1459**.

A 20% lighter version of the original color is **31.6835, 17.6094, 91.3516**, and **4.4439, 1.7776, 23.4014** is the 20% darker color. If you saturate the color by 10%, you get **13.4290, 5.8366, 49.7092**, and if you desaturate by 10%, it is **14.7085, 6.8444, 49.8363**.

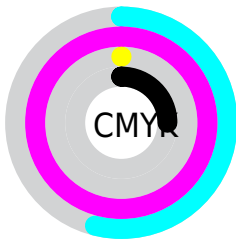
Distribution



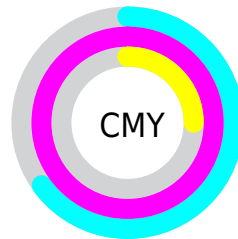
- Red (35%)
- Green (0%)
- Blue (75%)



- Red (35%)
- Yellow (0%)
- Blue (75%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (65%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4285, 5.8363, 49.7090 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 13.4285, 5.8363, 49.7090 by changing the saturation by 10% instead.

■ 13.4285, 5.8363,
49.7090

■ 13.4285, 5.8363,
49.7090

207.2285,
157.6106, 402.2293

■ 7.8033, 2.7458,
34.8127

■ 31.6663, 17.5905,
91.1354

■ 4.0201, 1.0005,
23.2362

■ 45.0096, 27.0230,
118.5026

■ 1.7135, 0.0000,
14.5611

■ 61.6563, 39.3383,
150.8638

■ 0.4647, 0.0000,
8.3687

■ 81.9718, 54.9208,
188.6376

■ 0.0000, 0.0000,
4.2407

■ 106.3214, 74.1549,
232.2425


■ 0.0000, 0.0000,
1.7583


■ 135.0705, 97.4250,

■ 0.0000, 0.0000,

282.0971


0.4002

 168.5844,
125.1154, 338.6198

 0.0000, 0.0000,
0.0000


 13.4285, 5.8363,
49.7090


 13.4285, 5.8363,
49.7090


 13.4290, 5.8366,
49.7092

 14.7085, 6.8444,
49.8363

 16.3616, 8.3868,
50.0469

 18.4766, 10.6328,
50.3689

 21.1003, 13.6689,
50.8167

 24.2730, 17.5688,
51.4022

■ 28.0306, 22.3974,
52.1362

■ 32.4053, 28.2131,
53.0282

■ 37.4270, 35.0696,
54.0869

■ 43.1235, 43.0164,
55.3206

Harmonies

Analogous

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



7.3790, 5.8363, 75.4676



13.4285, 5.8363, 49.7090



18.4913, 5.8363, 18.3773

Triad

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



13.4285, 5.8363, 49.7090



8.8819, 5.8363, 0.0000



0.6241, 5.8363, 12.3954

Complementary

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



13.4285, 5.8363, 49.7090



24.2238, 40.1450, 6.4720

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.



0.7130, 5.8363, 1.2099



13.4285, 5.8363, 49.7090



4.0469, 5.8363, 0.0000

Square

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



13.4285, 5.8363, 49.7090



15.0278, 5.8363, 0.0000



1.5752, 5.8363, 0.0000



1.2343, 5.8363, 40.6803

Rectangle

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



13.4285, 5.8363, 49.7090



19.5632, 5.8363, 5.9238



1.5752, 5.8363, 0.0000



0.5789, 5.8363, 6.8061

Sweetspot

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



13.4290, 5.8366, 49.7092



57.6400, 49.9936, 94.8909



14.4607, 13.8750, 51.2064



11.8974, 9.9611, 20.6809



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



13.4290, 5.8366, 49.7092



23.7780, 10.3123, 89.0164



28.5658, 13.6399, 50.4176



9.4230, 9.4349, 11.9967



8.9162, 3.8825, 32.6724



0.4247, 0.1910, 1.2833

Inverse Universe

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



23.9339, 12.0556, 13.8962



42.7414, 21.5419, 24.2339



18.7504, 37.3234, 6.2159



9.7395, 9.6201, 11.0170



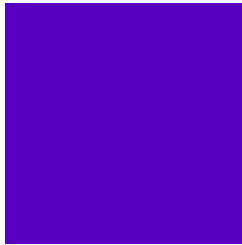
15.7700, 7.9392, 9.3486



0.6504, 0.3241, 0.5383

Previews

White Background



This preview shows how the XYZ color 13.4285, 5.8363, 49.7090 looks on a white background.

Color Contrast Check

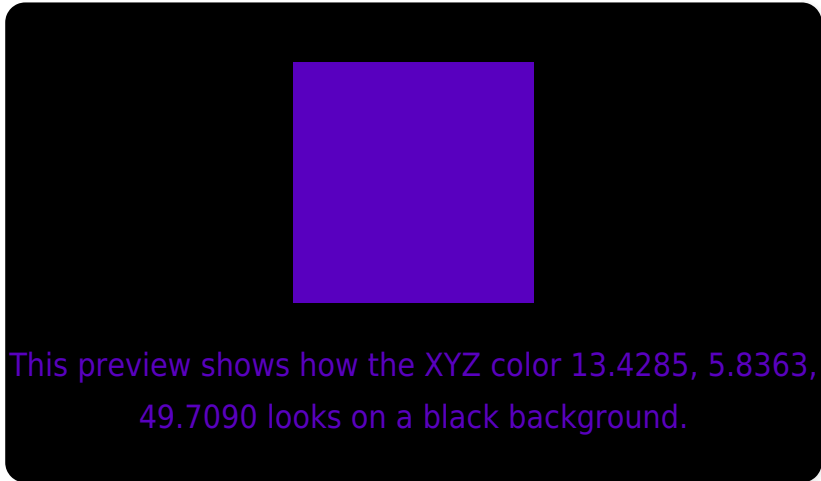
Large Text (above 18pt) WCAG AA ✓ Pass

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

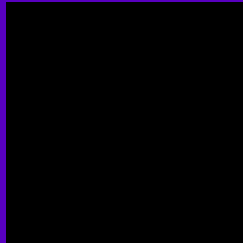
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4285, 5.8363, 49.7090

Background



This preview shows how black text looks on a background with the XYZ color 13.4285, 5.8363, 49.7090.



This preview shows how white text looks on a background with the XYZ color 13.4285, 5.8363,

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

13.4285, 5.8363, 49.7090

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

5.8954, 6.1702, 19.2926



Tritanopia

5.3129, 6.2068, 8.5074

Trichromacy



Original Color

13.4285, 5.8363, 49.7090

Protanomaly

7.8047, 4.5729, 33.7290

Deuteranomaly

6.8391, 4.3677, 28.0863

Tritanomaly

6.5867, 4.5129, 18.2932

Monochromacy



Original Color

13.4285, 5.8363, 49.7090

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.8401, 2.9568, 12.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4285, 5.8363, 49.7090 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(88, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 191)  
}
```

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(88, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 13.4285, 5.8363, 49.7090 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(88, 0, 191) }
```


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

```
.border{ border-color:rgb(88, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(88, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(88, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4285, 5.8363, 49.7090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 191) }
```

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

```
.background{ background-color: rgb(88, 0,  
191) }
```

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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