

Converting Colors

XYZ(11.9662, 5.0793, 49.7843)

Have a look what the booklet for
XYZ(11.9662, 5.0793, 49.7843)
contains.

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Color

**XYZ(11.9298, 5.0637,
49.6388)**

Conversions

Conversions Part 1

Format	Color
Hex	4600BF
RGB	70, 0, 191
RGB Percent	27%, 0%, 75%
CMY	0.7255, 1.0000, 0.2510
CMYK	0.63, 1.00, 0.00, 0.25
HSL	262°, 100%, 37%
HSV	262°, 100%, 75%
XYZ	11.9298, 5.0637, 49.6388
YIQ	42.7040, -19.5910, 74.2410

Conversions

Conversions Part 2

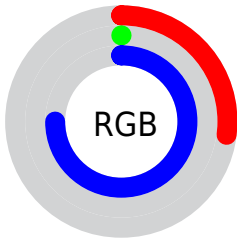
Format	Color
R _Y B	70, 0, 191
Decimal	4587711
CIE Lab	26.92, 65.36, -79.94
CIE LCh	27, 103.257, 309.272
Yxy	5.0637, 0.1790, 0.0760
Android (android.graphics.Color)	4282777791 (0xFF4600BF)
YUV	42.7040, 73.1099, 23.9386
Hunter-Lab	22.5027, 55.2522, -115.0364

Details

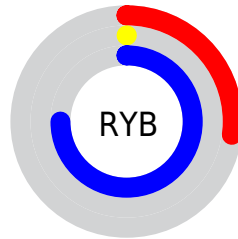
The XYZ color **11.9298, 5.0637, 49.6388** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **26.5150, 41.3261, 6.5793**, and the grayscale version is **2.2019, 2.3165, 2.5227**.

A 20% lighter version of the original color is **28.9376, 15.9222, 91.1706**, and **4.4439, 1.7776, 23.4014** is the 20% darker color. If you saturate the color by 10%, you get **11.9303, 5.0640, 49.6390**, and if you desaturate by 10%, it is **13.1275, 6.0294, 49.7622**.

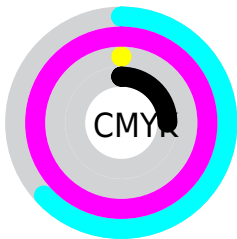
Distribution



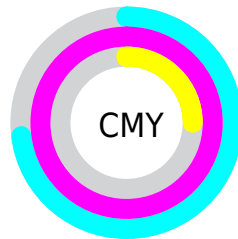
- Red (27%)
- Green (0%)
- Blue (75%)



- Red (27%)
- Yellow (0%)
- Blue (75%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (73%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9298, 5.0637, 49.6388 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 11.9298, 5.0637, 49.6388 by changing the saturation by 10% instead.

■ 11.9298, 5.0637,
49.6388

■ 11.9298, 5.0637,
49.6388

197.7194,
150.4363, 401.9463

■ 6.7678, 2.2847,
34.7573

■ 28.9852, 15.9551,
91.0303

■ 3.3623, 0.7656,
23.1939

■ 41.6092, 24.8362,
118.3773

■ 1.3481, 0.0000,
14.5301

■ 57.4512, 36.5202,
150.7166

■ 0.2188, 0.0000,
8.3473

■ 76.8767, 51.3914,
188.4668

■ 0.0000, 0.0000,
4.2271

■ 100.2508, 69.8342,
232.0463


■ 0.0000, 0.0000,
1.7507


■ 127.9391, 92.2330,

■ 0.0000, 0.0000,

281.8737


0.3951


 160.3069,
118.9723, 338.3675

 0.0000, 0.0000,
0.0000

 11.9298, 5.0637,
49.6388


 11.9298, 5.0637,
49.6388


 11.9303, 5.0640,
49.6390

 13.1275, 6.0294,
49.7622

 14.7408, 7.5512,
49.9710

 16.8622, 9.8005,
50.2933

 19.5424, 12.8657,
50.7437

 22.8248, 16.8222,
51.3344

■ 26.7483, 21.7363,
52.0761

■ 31.3482, 27.6682,
52.9786

■ 36.6570, 34.6726,
54.0508

■ 42.7051, 42.8006,
55.3009

Harmonies

Analogous

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



6.2318, 5.0637, 74.0737



11.9298, 5.0637, 49.6388



16.9712, 5.0637, 18.3822

Triad

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



11.9298, 5.0637, 49.6388



8.2661, 5.0637, 0.0000



0.3444, 5.0637, 10.1317

Complementary

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



11.9298, 5.0637, 49.6388



26.5150, 41.3261, 6.5793

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.



0.4746, 5.0637, 0.6894



11.9298, 5.0637, 49.6388



3.6276, 5.0637, 0.0000

Square

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



11.9298, 5.0637, 49.6388



14.1369, 5.0637, 0.0000



1.3014, 5.0637, 0.0000



0.8814, 5.0637, 36.8326

Rectangle

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



11.9298, 5.0637, 49.6388



18.2071, 5.0637, 5.8119



1.3014, 5.0637, 0.0000



0.3117, 5.0637, 5.2255

Sweetspot

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



11.9303, 5.0640, 49.6390



55.7252, 49.0065, 94.8013



16.6305, 18.2146, 51.9296



11.4367, 9.7236, 20.6594



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.



11.9303, 5.0640, 49.6390



21.1236, 8.9440, 88.8922



24.3755, 11.4797, 50.2214



9.3379, 9.3910, 11.9927



7.9221, 3.3701, 32.6258



0.3830, 0.1695, 1.2814

Inverse Universe

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



24.9367, 12.4567, 19.1770



44.5406, 22.2616, 33.7085



19.1277, 37.5179, 6.2335



9.7775, 9.6353, 11.2175



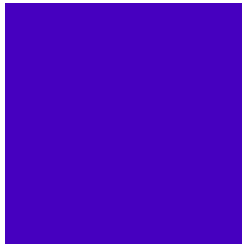
16.4278, 8.2023, 12.8125



0.6740, 0.3335, 0.6623

Previews

White Background



This preview shows how the XYZ color 11.9298, 5.0637, 49.6388 looks on a white background.

Color Contrast Check

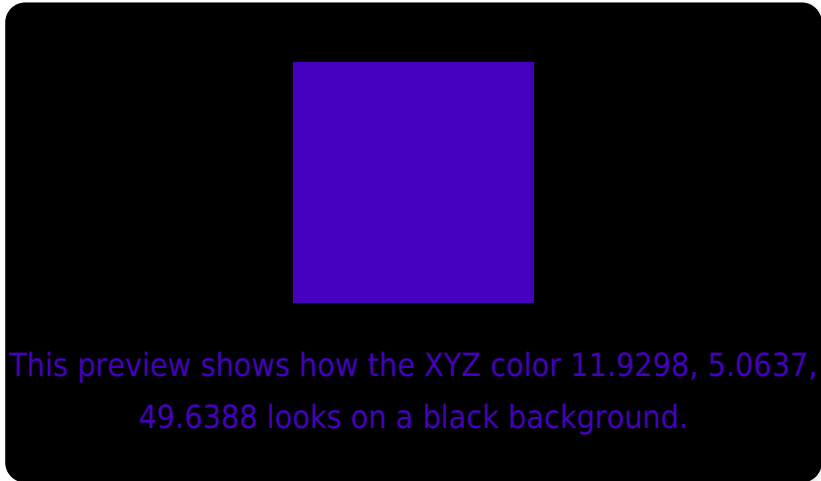
Large Text (above 18pt) WCAG AA ✓ Pass

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

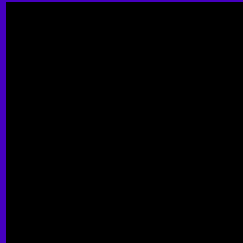
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9298, 5.0637, 49.6388

Background



This preview shows how black text looks on a background with the XYZ color 11.9298, 5.0637, 49.6388.



This preview shows how white text looks on a background with the XYZ color 11.9298, 5.0637,

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

11.9298, 5.0637, 49.6388

Protanopia

6.1365, 5.3880, 23.2708

Deuteranopia

5.1044, 5.3491, 16.6830



Tritanopia

3.7938, 5.3296, 8.2259

Trichromacy



Original Color

11.9298, 5.0637, 49.6388

Protanomaly

7.1102, 4.1591, 31.4384

Deuteranomaly

6.1473, 3.8874, 26.0175

Tritanomaly

4.7681, 3.5167, 18.1968

Monochromacy



Original Color

11.9298, 5.0637, 49.6388

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

4.0178, 2.4038, 11.5615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9298, 5.0637, 49.6388 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(70, 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(70, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 11.9298, 5.0637, 49.6388 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, 191) }
```


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

```
.border{ border-color:rgb(70, 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(70, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9298, 5.0637, 49.6388 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, 191) }
```

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

```
.background{ background-color: rgb(70, 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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