

Converting Colors

XYZ(11.8189, 5.0034, 49.7774)

Have a look what the booklet for
XYZ(11.8189, 5.0034, 49.7774)
contains.

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Color

**XYZ(11.7879, 4.9905,
49.6322)**

Conversions

Conversions Part 1

Format	Color
Hex	4400BF
RGB	68, 0, 191
RGB Percent	27%, 0%, 75%
CMY	0.7333, 1.0000, 0.2510
CMYK	0.64, 1.00, 0.00, 0.25
HSL	261°, 100%, 37%
HSV	261°, 100%, 75%
XYZ	11.7879, 4.9905, 49.6322
YIQ	42.1060, -20.7830, 73.8170

Conversions

Conversions Part 2

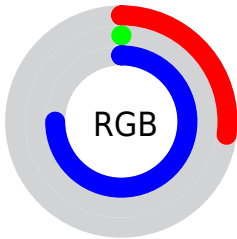
Format	Color
R _Y B	68, 0, 191
Decimal	4456639
CIE Lab	26.71, 65.26, -80.29
CIE LCh	27, 103.465, 309.106
Yxy	4.9905, 0.1775, 0.0751
Android (android.graphics.Color)	4282646719 (0xFF4400BF)
YUV	42.1060, 73.4047, 22.7090
Hunter-Lab	22.3394, 55.0955, -116.0888

Details

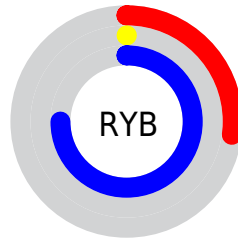
The XYZ color **11.7879, 4.9905, 49.6322** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **26.7982, 41.4722, 6.5925**, and the grayscale version is **2.1457, 2.2575, 2.4584**.

A 20% lighter version of the original color is **28.7789, 15.8404, 91.1632**, and **4.4439, 1.7776, 23.4014** is the 20% darker color. If you saturate the color by 10%, you get **11.7884, 4.9908, 49.6324**, and if you desaturate by 10%, it is **12.9728, 5.9496, 49.7551**.

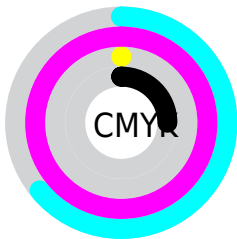
Distribution



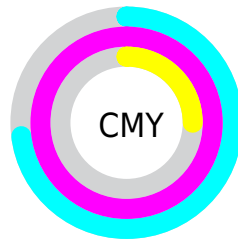
- Red (27%)
- Green (0%)
- Blue (75%)



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



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7879, 4.9905, 49.6322 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 11.7879, 4.9905, 49.6322 by changing the saturation by 10% instead.

■ 11.7879, 4.9905,
49.6322

■ 11.7879, 4.9905,
49.6322

196.7948,
149.7319, 401.9197

■ 6.6706, 2.2417,
34.7521

■ 28.7284, 15.7975,
91.0204

■ 3.3014, 0.7426,
23.1900

■ 41.2824, 24.6245,
118.3655

■ 1.3151, 0.0000,
14.5272

■ 57.0459, 36.2463,
150.7028

■ 0.1945, 0.0000,
8.3453

■ 76.3844, 51.0474,
188.4507

■ 0.0000, 0.0000,
4.2258

■ 99.6631, 69.4120,
232.0278

■ 0.0000, 0.0000,
1.7500

■ 127.2475, 91.7248,

■ 0.0000, 0.0000,

281.8527

0.3947


 159.5030,
118.3699, 338.3438

 0.0000, 0.0000,
0.0000

 11.7879, 4.9905,
49.6322


 11.7879, 4.9905,
49.6322


 11.7884, 4.9908,
49.6324

 12.9728, 5.9496,
49.7551

 14.5780, 7.4673,
49.9634

 16.6966, 9.7152,
50.2856

 19.3798, 12.7819,
50.7361

 22.6714, 16.7431,
51.3272

■ 26.6109, 21.6655,
52.0697

■ 31.2337, 27.6091,
52.9733

■ 36.5728, 34.6292,
54.0469

■ 42.6589, 42.7768,
55.2988

Harmonies

Analogous

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



6.1250, 4.9905, 73.9420



11.7879, 4.9905, 49.6322



16.8256, 4.9905, 18.3805

Triad

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



11.7879, 4.9905, 49.6322



8.2057, 4.9905, 0.0000



0.3163, 4.9905, 9.9247

Complementary

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



11.7879, 4.9905, 49.6322



26.7982, 41.4722, 6.5925

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.



0.4506, 4.9905, 0.6396



11.7879, 4.9905, 49.6322



3.5868, 4.9905, 0.0000

Square

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



11.7879, 4.9905, 49.6322



14.0499, 4.9905, 0.0000



1.2757, 4.9905, 0.0000



0.8503, 4.9905, 36.4697

Rectangle

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



11.7879, 4.9905, 49.6322



18.0764, 4.9905, 5.7991



1.2757, 4.9905, 0.0000



0.2848, 4.9905, 5.0842

Sweetspot

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



11.7884, 4.9908, 49.6324



55.5178, 48.8996, 94.7916



16.6305, 18.2146, 51.9297



11.3870, 9.6980, 20.6570



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.



11.7884, 4.9908, 49.6324



20.8739, 8.8152, 88.8805



24.3756, 11.4797, 50.2215



9.3285, 9.3862, 11.9923



7.8275, 3.3213, 32.6214



0.3787, 0.1673, 1.2812

Inverse Universe

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



25.0606, 12.5063, 19.8296



44.7635, 22.3507, 34.8825



19.1277, 37.5179, 6.2335



9.7818, 9.6370, 11.2400



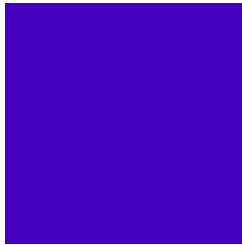
16.5089, 8.2347, 13.2395



0.6768, 0.3346, 0.6770

Previews

White Background



This preview shows how the XYZ color 11.7879, 4.9905, 49.6322 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

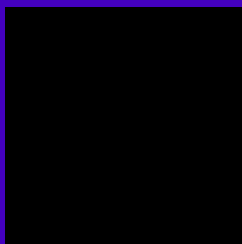
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7879, 4.9905, 49.6322

Background



This preview shows how black text looks on a background with the XYZ color 11.7879, 4.9905, 49.6322.



This preview shows how white text looks on a background with the XYZ color 11.7879, 4.9905,

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

11.7879, 4.9905, 49.6322

Protanopia

6.0111, 5.2485, 22.8865

Deuteranopia

5.0478, 5.3265, 16.3849



Tritanopia

3.7577, 5.3151, 8.0356

Trichromacy



Original Color

11.7879, 4.9905, 49.6322

Protanomaly

6.9924, 4.0574, 30.9865

Deuteranomaly

6.0725, 3.8575, 25.6238

Tritanomaly

4.7077, 3.4926, 17.8788

Monochromacy



Original Color

11.7879, 4.9905, 49.6322

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

3.8685, 2.3322, 11.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7879, 4.9905, 49.6322 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(68, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(68, 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(68, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 11.7879, 4.9905, 49.6322 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(68, 0, 191) }
```


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

```
.border{ border-color:rgb(68, 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(68, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(68, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7879, 4.9905, 49.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 0, 191) }
```

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

```
.background{ background-color: rgb(68, 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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