

Converting Colors

XYZ(11.7601, 5.0369, 46.8904)

Have a look what the booklet for
XYZ(11.7601, 5.0369, 46.8904)
contains.

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Color

**XYZ(11.7646, 5.0410,
46.8073)**

Conversions

Conversions Part 1

Format	Color
Hex	4B00BA
RGB	75, 0, 186
RGB Percent	29%, 0%, 73%
CMY	0.7059, 1.0000, 0.2706
CMYK	0.60, 1.00, 0.00, 0.27
HSL	264°, 100%, 36%
HSV	264°, 100%, 73%
XYZ	11.7646, 5.0410, 46.8073
YIQ	43.6290, -15.0060, 73.7460

Conversions

Conversions Part 2

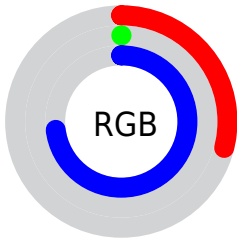
Format	Color
R _Y B	75, 0, 186
Decimal	4915386
CIE Lab	26.85, 64.48, -77.06
CIE LCh	27, 100.479, 309.919
Yxy	5.0410, 0.1849, 0.0792
Android (android.graphics.Color)	4283105466 (0xFF4B00BA)
YUV	43.6290, 70.1889, 27.5124
Hunter-Lab	22.4522, 54.2400, -107.8887

Details

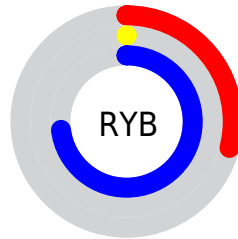
The XYZ color **11.7646, 5.0410, 46.8073** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **24.1137, 38.4970, 6.1597**, and the grayscale version is **2.2925, 2.4119, 2.6266**.

A 20% lighter version of the original color is **28.8175, 15.9492, 87.1476**, and **4.0967, 1.6387, 21.5731** is the 20% darker color. If you saturate the color by 10%, you get **11.7651, 5.0413, 46.8075**, and if you desaturate by 10%, it is **12.9366, 5.9810, 46.9271**.

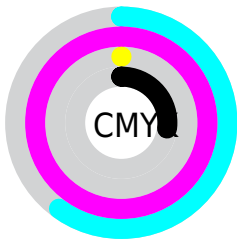
Distribution



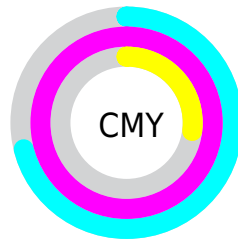
- Red (29%)
- Green (0%)
- Blue (73%)



- Red (29%)
- Yellow (0%)
- Blue (73%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (71%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7646, 5.0410, 46.8073 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 11.7646, 5.0410, 46.8073 by changing the saturation by 10% instead.

■ 11.7646, 5.0410,
46.8073

■ 11.7646, 5.0410,
46.8073

196.6425,
150.2184, 390.4163

■ 6.6547, 2.2713,
32.5301

■ 28.6862, 15.9063,
86.7729

■ 3.2915, 0.7585,
21.4985

■ 41.2286, 24.7706,
113.2983

■ 1.3097, 0.0000,
13.2941

■ 56.9792, 36.4354,
144.7436

■ 0.1905, 0.0000,
7.4983

■ 76.3034, 51.2849,
181.5272

■ 0.0000, 0.0000,
3.6925

■ 99.5664, 69.7035,
224.0678


■ 0.0000, 0.0000,
1.4582

■ 127.1337, 92.0757,

■ 0.0000, 0.0000,

272.7838


0.1865

 159.3706,
118.7859, 328.0938

 0.0000, 0.0000,
0.0000

 11.7646, 5.0410,
46.8073

 11.7646, 5.0410,
46.8073


 11.7651, 5.0413,
46.8075

 12.9366, 5.9810,
46.9271

 14.4824, 7.4335,
47.1260

 16.4889, 9.5615,
47.4310

 19.0018, 12.4469,
47.8555

 22.0606, 16.1596,
48.4109

■ 25.7004, 20.7612,
49.1073

■ 29.9529, 26.3071,
49.9536

■ 34.8477, 32.8483,
50.9582

■ 40.4121, 40.4320,
52.1287

Harmonies

Analogous

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



6.2685, 5.0410, 70.2975



11.7646, 5.0410, 46.8073



16.5268, 5.0410, 17.3268

Triad

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



11.7646, 5.0410, 46.8073



8.0087, 5.0410, 0.0000



0.4092, 5.0410, 10.3208

Complementary

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



11.7646, 5.0410, 46.8073



24.1137, 38.4970, 6.1597

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.



0.5216, 5.0410, 0.8247



11.7646, 5.0410, 46.8073



3.5666, 5.0410, 0.0000

Square

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



11.7646, 5.0410, 46.8073



13.6385, 5.0410, 0.0000



1.3214, 5.0410, 0.0000



0.9484, 5.0410, 36.0494

Rectangle

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



11.7646, 5.0410, 46.8073



17.6358, 5.0410, 5.5204



1.3214, 5.0410, 0.0000



0.3725, 5.0410, 5.4573

Sweetspot

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



11.7651, 5.0413, 46.8075



53.8816, 47.1422, 90.4609



14.6131, 15.0455, 48.5884



11.1210, 9.4042, 19.7716



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.



11.7651, 5.0413, 46.8075



21.0682, 9.0053, 84.8292



24.8840, 11.8043, 47.4215



8.8548, 8.8915, 11.3290



7.9952, 3.4329, 31.4943



0.3524, 0.1574, 1.1136

Inverse Universe

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



23.1187, 11.5867, 16.0551



41.7808, 20.9523, 28.4528



17.8198, 35.2524, 5.8652



9.2235, 9.0998, 10.5241



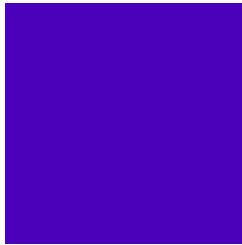
15.5913, 7.8103, 11.0006



0.5794, 0.2872, 0.5446

Previews

White Background



This preview shows how the XYZ color 11.7646, 5.0410, 46.8073 looks on a white background.

Color Contrast Check

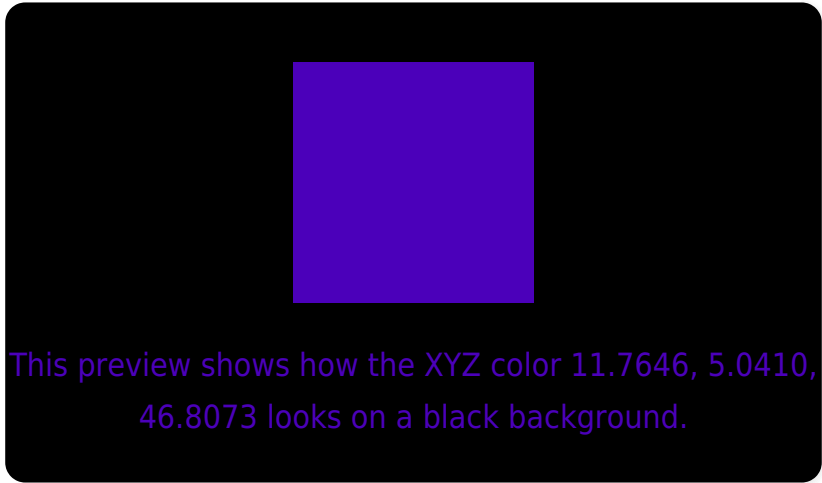
Large Text (above 18pt) WCAG AA ✓ Pass

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

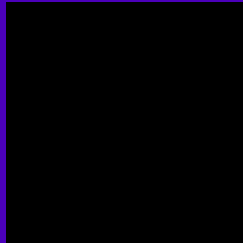
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7646, 5.0410, 46.8073

Background



This preview shows how black text looks on a background with the XYZ color 11.7646, 5.0410, 46.8073.



This preview shows how white text looks on a background with the XYZ color 11.7646, 5.0410,

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

11.7646, 5.0410, 46.8073

Protanopia

6.1365, 5.3880, 23.2708

Deuteranopia

5.1044, 5.3491, 16.6830



Tritanopia

4.0692, 5.3790, 8.0315

Trichromacy



Original Color

11.7646, 5.0410, 46.8073

Protanomaly

6.9947, 4.1188, 30.5633

Deuteranomaly

6.0495, 3.8542, 25.2360

Tritanomaly

5.1841, 3.7519, 17.2806

Monochromacy



Original Color

11.7646, 5.0410, 46.8073

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.1021, 2.4873, 11.3302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7646, 5.0410, 46.8073 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(75, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 11.7646, 5.0410, 46.8073 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(75, 0, 186) }
```


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

```
.border{ border-color:rgb(75, 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(75, 0, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(75, 0, 186)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7646, 5.0410, 46.8073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 186) }
```

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

```
.background{ background-color: rgb(75, 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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