

Converting Colors

XYZ(10.7489, 4.6366, 41.3768)

Have a look what the booklet for
XYZ(10.7489, 4.6366, 41.3768)
contains.

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Color

**XYZ(10.7381, 4.6304,
41.4021)**

Conversions

Conversions Part 1

Format	Color
Hex	4B00B0
RGB	75, 0, 176
RGB Percent	29%, 0%, 69%
CMY	0.7059, 1.0000, 0.3098
CMYK	0.57, 1.00, 0.00, 0.31
HSL	266°, 100%, 35%
HSV	266°, 100%, 69%
XYZ	10.7381, 4.6304, 41.4021
YIQ	42.4890, -11.7960, 70.6360

Conversions

Conversions Part 2

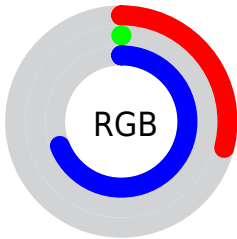
Format	Color
R _Y B	75, 0, 176
Decimal	4915376
CIE Lab	25.65, 62.17, -73.08
CIE LCh	26, 95.941, 310.388
Yxy	4.6304, 0.1891, 0.0816
Android (android.graphics.Color)	4283105456 (0xFF4B00B0)
YUV	42.4890, 65.8209, 28.5121
Hunter-Lab	21.5184, 51.4180, -99.0132

Details

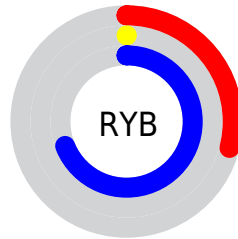
The XYZ color **10.7381, 4.6304, 41.4021** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **20.8917, 33.8172, 5.4263**, and the grayscale version is **2.1877, 2.3016, 2.5065**.

A 20% lighter version of the original color is **26.8095, 15.0139, 78.5757**, and **3.5129, 1.4051, 18.4984** is the 20% darker color. If you saturate the color by 10%, you get **10.7385, 4.6307, 41.4023**, and if you desaturate by 10%, it is **11.8022, 5.4905, 41.5122**.

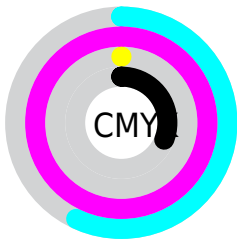
Distribution



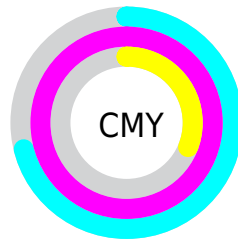
- Red (29%)
- Green (0%)
- Blue (69%)



- Red (29%)
- Yellow (0%)
- Blue (69%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)



- Cyan (71%)
- Magenta (100%)
- Yellow (31%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7381, 4.6304, 41.4021 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 10.7381, 4.6304, 41.4021 by changing the saturation by 10% instead.

■ 10.7381, 4.6304,
41.4021

■ 10.7381, 4.6304,
41.4021

189.8075,
146.1959, 367.7247

■ 5.9570, 2.0321,
28.3113

■ 26.8121, 15.0150,
78.5542

■ 2.8594, 0.6260,
18.3194

■ 38.8357, 23.5700,
103.4526

■ 1.0798, 0.0000,
11.0077

■ 54.0042, 34.8795,
133.1241

■ 0.0081, 0.0000,
5.9578

■ 72.6830, 49.3277,
167.9870

■ 0.0000, 0.0000,
2.7511

■ 95.2373, 67.2990,
208.4600

■ 0.0000, 0.0000,
0.9690


■ 122.0326, 89.1779,


■ 0.0000, 0.0000,

254.9616

0.0000

 153.4342,
115.3487, 307.9103


 10.7381, 4.6304,
41.4021


 10.7381, 4.6304,
41.4021


 10.7385, 4.6307,
41.4023

 11.8022, 5.4905,
41.5122

 13.1840, 6.7923,
41.6906

 14.9619, 8.6843,
41.9621

 17.1751, 11.2374,
42.3383

 19.8573, 14.5120,
42.8290

■ 23.0383, 18.5614,
43.4429

■ 26.7454, 23.4339,
44.1880

■ 31.0038, 29.1736,
45.0714

■ 35.8368, 35.8214,
46.0999

Harmonies

Analogous

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



5.7998, 4.6304, 62.4687



10.7381, 4.6304, 41.4021



14.9535, 4.6304, 15.3189

Triad

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



10.7381, 4.6304, 41.4021



7.2192, 4.6304, 0.0000



0.3958, 4.6304, 9.6333

Complementary

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



10.7381, 4.6304, 41.4021



20.8917, 33.8172, 5.4263

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.



0.4932, 4.6304, 0.8411



10.7381, 4.6304, 41.4021



3.2475, 4.6304, 0.0000

Square

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



10.7381, 4.6304, 41.4021



12.2586, 4.6304, 0.0000



1.2297, 4.6304, 0.0000



0.9177, 4.6304, 32.7371

Rectangle

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



10.7381, 4.6304, 41.4021



15.8973, 4.6304, 4.9060



1.2297, 4.6304, 0.0000



0.3574, 4.6304, 5.1799

Sweetspot

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



10.7385, 4.6307, 41.4023



48.1296, 41.9987, 80.0652



12.6537, 12.7690, 42.8722



9.8105, 8.2816, 17.2258



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



10.7385, 4.6307, 41.4023



19.2287, 8.2709, 75.0783



22.6018, 10.7464, 41.9575



8.3739, 8.4013, 10.6866



7.9432, 3.4307, 30.3805



0.3172, 0.1426, 0.9590

Inverse Universe

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



20.2533, 10.1696, 13.2062



36.6169, 18.3980, 23.3419



15.7170, 31.1496, 5.1841



8.6939, 8.5843, 9.8863



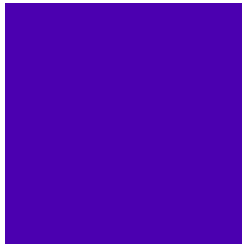
14.8899, 7.4735, 9.8462



0.4970, 0.2465, 0.4597

Previews

White Background



This preview shows how the XYZ color 10.7381, 4.6304, 41.4021 looks on a white background.

Color Contrast Check

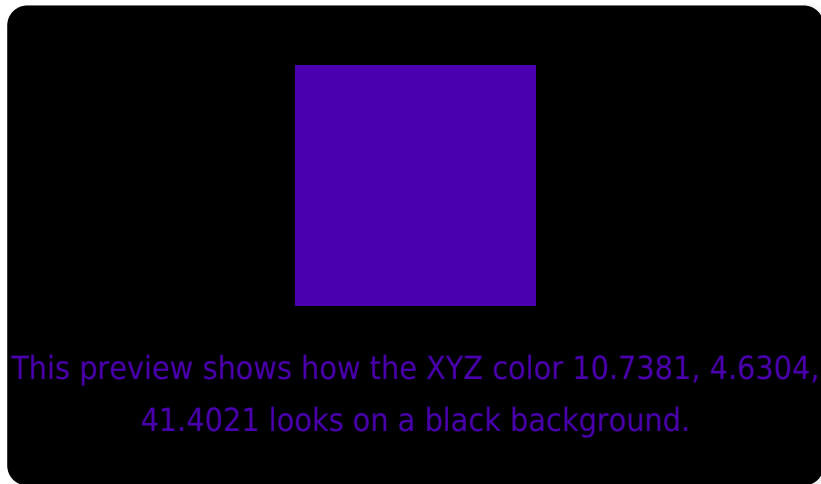
Large Text (above 18pt) WCAG AA ✓ Pass

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

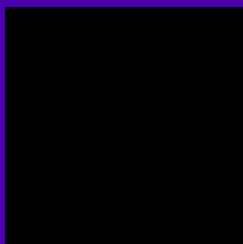
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7381, 4.6304, 41.4021

Background



This preview shows how black text looks on a background with the XYZ color 10.7381, 4.6304, 41.4021.



This preview shows how white text looks on a background with the XYZ color 10.7381, 4.6304,

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

10.7381, 4.6304, 41.4021

Protanopia

5.6312, 4.9225, 21.4222

Deuteranopia

4.7048, 4.9064, 15.4509



Tritanopia

3.9963, 4.9860, 7.2303

Trichromacy



Original Color

10.7381, 4.6304, 41.4021

Protanomaly

6.3658, 3.7594, 27.5842

Deuteranomaly

5.5480, 3.5401, 22.9452

Tritanomaly

5.0485, 3.5536, 15.4587

Monochromacy



Original Color

10.7381, 4.6304, 41.4021

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

3.8016, 2.3235, 10.1456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7381, 4.6304, 41.4021 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 10.7381, 4.6304, 41.4021 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, 176) }
```


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

```
.border{ border-color:rgb(75, 0, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(75, 0, 176)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.7381, 4.6304, 41.4021 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, 176) }
```

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

```
.background{ background-color: rgb(75, 0,  
176) }
```

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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