

Converting Colors

XYZ(12.4257, 5.7415, 30.5903)

Have a look what the booklet for
XYZ(12.4257, 5.7415, 30.5903)
contains.

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Color

**XYZ(12.4319, 5.7447,
30.5906)**

Conversions

Conversions Part 1

Format	Color
Hex	700099
RGB	112, 0, 153
RGB Percent	44%, 0%, 60%
CMY	0.5608, 1.0000, 0.4000
CMYK	0.27, 1.00, 0.00, 0.40
HSL	284°, 100%, 30%
HSV	284°, 100%, 60%
XYZ	12.4319, 5.7447, 30.5906
YIQ	50.9300, 17.6390, 71.3270

Conversions

Conversions Part 2

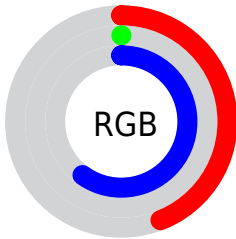
Format	Color
R_{YB}	112, 0, 153
Decimal	7340185
CIE _{Lab}	28.76, 60.88, -53.82
CIE _{LCh}	29, 81.258, 318.522
Yxy	5.7447, 0.2549, 0.1178
Android (android.graphics.Color)	4285530265 (0xFF700099)
YUV	50.9300, 50.3205, 53.5584
Hunter-Lab	23.9681, 50.6411, -58.8944

Details

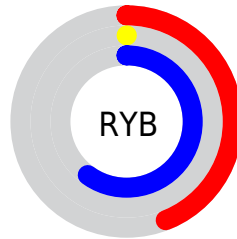
The XYZ color **12.4319, 5.7447, 30.5906** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **12.3059, 23.2540, 3.8400**, and the grayscale version is **3.0812, 3.2417, 3.5302**.

A 20% lighter version of the original color is **29.7869, 17.3854, 61.4603**, and **3.9799, 1.7803, 12.4458** is the 20% darker color. If you saturate the color by 10%, you get **12.4320, 5.7447, 30.5907**, and if you desaturate by 10%, it is **13.1410, 6.3702, 30.6741**.

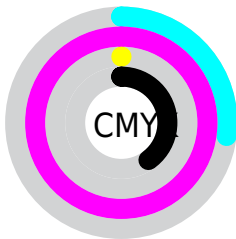
Distribution



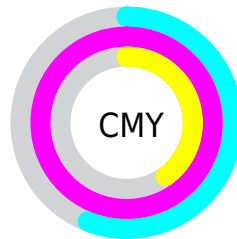
- Red (44%)
- Green (0%)
- Blue (60%)



- Red (44%)
- Yellow (0%)
- Blue (60%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (56%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4319, 5.7447, 30.5906 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 12.4319, 5.7447, 30.5906 by changing the saturation by 10% instead.

■ 12.4319, 5.7447,
30.5906

■ 12.4319, 5.7447,
30.5906

■ 200.9560,
156.7832, 318.9403

■ 7.1128, 2.6905,
20.0315

■ 29.8894, 17.3991,
61.6669

■ 3.5797, 0.9724,
12.2336

■ 42.7585, 26.7680,
83.0212

■ 1.4672, 0.0000,
6.7785

■ 58.8751, 39.0107,
108.8109

■ 0.3034, 0.0000,
3.2476

■ 78.6043, 54.5114,
139.4547

■ 0.0000, 0.0000,
1.2224

■ 102.3117, 73.6546,
175.3709

■ 0.0000, 0.0000,
0.0000

■ 130.3626, 96.8247,

216.9783

163.1222,
124.4061, 264.6952

12.4319, 5.7447,
30.5906

12.4319, 5.7447,
30.5906

12.4320, 5.7447,
30.5907

13.1410, 6.3702,
30.6741

14.0033, 7.2669,
30.8017

15.0790, 8.5541,
30.9935

16.3922, 10.2798,
31.2573

17.9636, 12.4848,
31.6001

■ 19.8114, 15.2053,
32.0278

■ 21.9523, 18.4739,
32.5459

■ 24.4013, 22.3204,
33.1593

■ 27.1725, 26.7727,
33.8726

Harmonies

Analogous

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



7.9582, 5.7447, 49.9219



12.4319, 5.7447, 30.5906



15.3963, 5.7447, 11.0681

Triad

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



12.4319, 5.7447, 30.5906



6.9513, 5.7447, 0.0000



1.1831, 5.7447, 14.8657

Complementary

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



12.4319, 5.7447, 30.5906



12.3059, 23.2540, 3.8400

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.



1.1057, 5.7447, 3.0895



12.4319, 5.7447, 30.5906



3.5486, 5.7447, 0.0000

Square

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



12.4319, 5.7447, 30.5906



11.4230, 5.7447, 0.0000



1.7507, 5.7447, 0.0000



2.0468, 5.7447, 35.8084

Rectangle

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



12.4319, 5.7447, 30.5906



15.5199, 5.7447, 3.7600



1.7507, 5.7447, 0.0000



1.0845, 5.7447, 9.6639

Sweetspot

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



12.4322, 5.7449, 30.5907



39.0702, 32.7071, 58.2258



6.6266, 4.0535, 30.5703



8.2898, 6.7032, 12.7744



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.4322, 5.7449, 30.5907



22.0804, 10.1933, 54.7757



16.5181, 8.1249, 18.4197



6.2997, 6.2404, 7.8015



10.3075, 4.7648, 25.2841



0.1879, 0.0886, 0.3796

Inverse Universe

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



13.5373, 6.9326, 2.7227



24.1762, 12.3882, 4.5213



11.6680, 22.8933, 5.2540



6.2734, 6.2485, 6.8199



11.2006, 5.7345, 2.3152



0.1810, 0.0912, 0.1062

Previews

White Background



This preview shows how the XYZ color 12.4319, 5.7447, 30.5906 looks on a white background.

Color Contrast Check

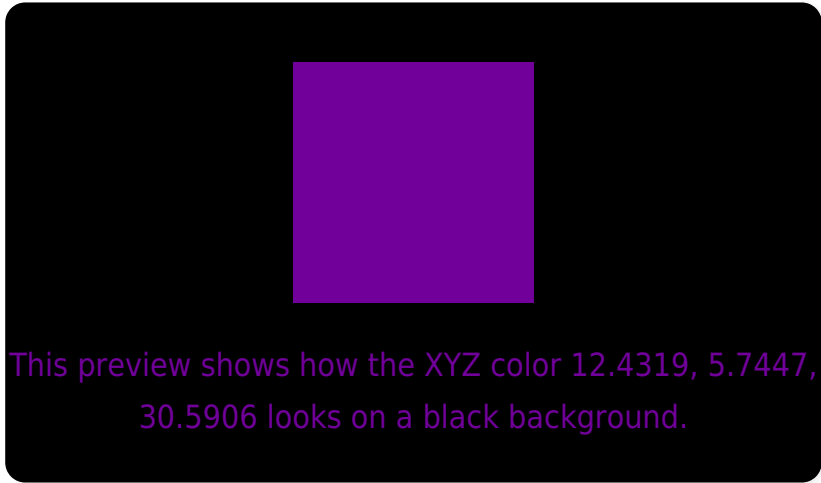
Large Text (above 18pt) WCAG AA ✓ Pass

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

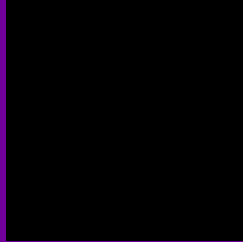
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4319, 5.7447, 30.5906

Background



This preview shows how black text looks on a background with the XYZ color 12.4319, 5.7447, 30.5906.



This preview shows how white text looks on a background with the XYZ color 12.4319, 5.7447,

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

12.4319, 5.7447, 30.5906

Protanopia

7.1012, 6.1479, 27.1979

Deuteranopia

6.0842, 6.2458, 20.2869



Tritanopia

7.5783, 6.1986, 5.6475

Trichromacy



Original Color

12.4319, 5.7447, 30.5906

Protanomaly

7.0448, 4.3058, 28.0636

Deuteranomaly

6.2646, 4.1747, 23.3973

Tritanomaly

8.3980, 5.1143, 11.6109

Monochromacy



Original Color

12.4319, 5.7447, 30.5906

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0256, 3.1541, 9.5764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4319, 5.7447, 30.5906 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(112, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 153)  
}
```

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(112, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 12.4319, 5.7447, 30.5906 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(112, 0, 153) }
```


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

```
.border{ border-color:rgb(112, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4319, 5.7447, 30.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 153) }
```

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

```
.background{ background-color: rgb(112, 0,  
153) }
```

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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