

Converting Colors

XYZ(12.9824, 14.6113, 39.3285)

Have a look what the booklet for
XYZ(12.9824, 14.6113, 39.3285)
contains.

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Color

**XYZ(12.9730, 14.6374,
39.1873)**

Conversions

Conversions Part 1

Format	Color
Hex	0071A8
RGB	0, 113, 168
RGB Percent	0%, 44%, 66%
CMY	0.9999, 0.5569, 0.3412
CMYK	1.00, 0.33, 0.00, 0.34
HSL	200°, 100%, 33%
HSV	200°, 100%, 66%
XYZ	12.9730, 14.6374, 39.1873
YIQ	85.4830, -85.0030, -6.8510

Conversions

Conversions Part 2

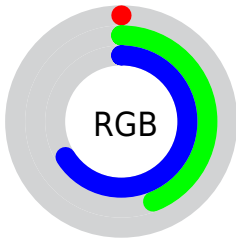
Format	Color
RYB	0, 68, 168
Decimal	29096
CIELab	45.13, -6.07, -36.86
CIELCh	45, 37.357, 260.649
Yxy	14.6374, 0.1942, 0.2191
Android (android.graphics.Color)	4278219176 (0xFF0071A8)
YUV	85.4830, 40.6809, -74.9686
Hunter-Lab	38.2589, -6.4263, -33.9476

Details

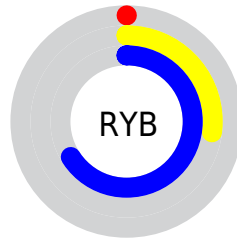
The XYZ color **12.9730, 14.6374, 39.1873** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.5163, 11.0601, 1.2125**, and the grayscale version is **8.6680, 9.1194, 9.9310**.

A 20% lighter version of the original color is **31.0295, 34.4159, 75.5285**, and **5.1006, 5.1574, 17.2496** is the 20% darker color. If you saturate the color by 10%, you get **12.9721, 14.6355, 39.1873**, and if you desaturate by 10%, it is **13.8338, 16.0202, 39.4092**.

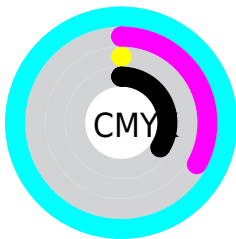
Distribution



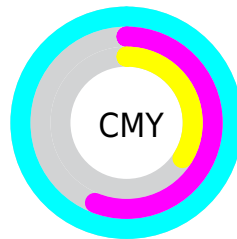
- Red (0%)
- Green (44%)
- Blue (66%)



- Red (0%)
- Yellow (27%)
- Blue (66%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (56%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9730, 14.6374, 39.1873 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 12.9730, 14.6374, 39.1873 by changing the saturation by 10% instead.

■ 12.9730, 14.6374,
39.1873

■ 12.9730, 14.6374,
39.1873

■ 204.3857,
221.1609, 358.1359

■ 7.4868, 8.5653,
26.5965

■ 30.8570, 34.2158,
75.1479

■ 3.8174, 4.4588,
17.0407

■ 43.9855, 48.4909,
99.3547

■ 1.5994, 1.9333,
10.1012

■ 60.3922, 66.2691,
128.2707

■ 0.3920, 0.5683,
5.3596

■ 80.4425, 87.9349,
162.3142

■ 0.0000, 0.0000,
2.3974

■ 104.5015,
113.8725, 201.9040

■ 0.0000, 0.0000,
0.7850

■ 132.9349,

■ 0.0000, 0.0000,

144.4665, 247.4585

0.0000

166.1078,
180.1011, 299.3963

■ 12.9730, 14.6374,
39.1873

■ 12.9730, 14.6374,
39.1873

■ 12.9721, 14.6355,
39.1873

■ 13.8338, 16.0202,
39.4092

■ 14.9235, 17.5770,
39.6522

■ 16.3214, 19.3499,
39.9207

■ 18.0631, 21.3579,
40.2165

■ 20.1789, 23.6177,
40.5412

■ 22.6957, 26.1439,
40.8962

■ 25.6375, 28.9498,
41.2827

■ 29.0266, 32.0478,
41.7020

■ 32.8835, 35.4490,
42.1553

Harmonies

Analogous

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



10.4878, 14.6374, 32.9609



12.9730, 14.6374, 39.1873



16.1051, 14.6374, 37.6352

Triad

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



12.9730, 14.6374, 39.1873



20.2163, 14.6374, 10.6775



9.8202, 14.6374, 7.4266

Complementary

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



12.9730, 14.6374, 39.1873



17.5163, 11.0601, 1.2125

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.



11.9284, 14.6374, 4.7581



12.9730, 14.6374, 39.1873



18.0115, 14.6374, 6.0970

Square

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



12.9730, 14.6374, 39.1873



20.6056, 14.6374, 18.8526



14.8961, 14.6374, 4.3827



8.8527, 14.6374, 13.3398

Rectangle

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



12.9730, 14.6374, 39.1873



18.1338, 14.6374, 32.5618



14.8961, 14.6374, 4.3827



10.4029, 14.6374, 6.2280

Sweetspot

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



12.9736, 14.6379, 39.1877



46.1979, 52.2300, 74.8716



14.6508, 28.2647, 8.0783



9.5833, 10.9255, 16.2559



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



12.9736, 14.6379, 39.1877



23.3364, 26.1516, 71.0429



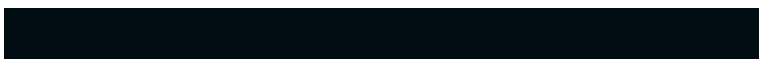
7.5537, 3.7982, 37.3811



7.5374, 8.1118, 9.5868



9.8441, 11.1484, 29.6085



0.2832, 0.3585, 0.7349

Inverse Universe

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



19.1296, 9.5178, 16.4520



34.6090, 17.2288, 29.3086



25.1237, 26.2749, 3.7483



7.7359, 7.6242, 8.9263



14.4694, 7.1965, 12.5496



0.3741, 0.1839, 0.4214

Previews

White Background



This preview shows how the XYZ color 12.9730, 14.6374, 39.1873 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 × Fail

Black Background



This preview shows how the XYZ color 12.9730, 14.6374, 39.1873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9730, 14.6374, 39.1873

Background



This preview shows how black text looks on a background with the XYZ color 12.9730, 14.6374, 39.1873.



This preview shows how white text looks on a background with the XYZ color 12.9730, 14.6374,

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

12.9730, 14.6374, 39.1873

Protanopia

15.4151, 14.7026, 35.7436

Deuteranopia

15.1119, 14.7573, 40.0822



Tritanopia

10.4276, 14.7260, 22.3715

Trichromacy



Original Color

12.9730, 14.6374, 39.1873

Protanomaly

13.6390, 14.2177, 37.1474

Deuteranomaly

13.7123, 14.3597, 39.5851

Tritanomaly

11.2438, 14.6756, 27.8312

Monochromacy



Original Color

12.9730, 14.6374, 39.1873

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.7080, 10.2065, 17.7307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9730, 14.6374, 39.1873 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(0, 113, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 168)  
}
```

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(0, 113, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 168) }
```

Border

The CSS property to change the border of an element to XYZ 12.9730, 14.6374, 39.1873 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(0, 113, 168) }
```


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

```
.border{ border-color:rgb(0, 113, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9730, 14.6374, 39.1873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 168) }
```

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

```
.background{ background-color: rgb(0, 113,  
168) }
```

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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