

Converting Colors

XYZ(10.0941, 12.0420, 40.0198)

Have a look what the booklet for
XYZ(10.0941, 12.0420, 40.0198)
contains.

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Color

**XYZ(12.4097, 13.2103,
39.9260)**

Conversions

Conversions Part 1

Format	Color
Hex	006AAA
RGB	0, 106, 170
RGB Percent	0%, 42%, 67%
CMY	0.9999, 0.5843, 0.3333
CMYK	1.00, 0.38, 0.00, 0.33
HSL	203°, 100%, 33%
HSV	203°, 100%, 67%
XYZ	12.4097, 13.2103, 39.9260
YIQ	81.6020, -83.7200, -2.5680

Conversions

Conversions Part 2

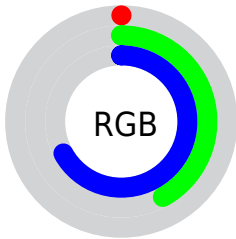
Format	Color
R _{YB}	0, 65, 170
Decimal	27306
CIE _{Lab}	43.08, -0.99, -41.29
CIE _{LCh}	43, 41.304, 268.623
Yxy	13.2103, 0.1893, 0.2015
Android (android.graphics.Color)	4278217386 (0xFF006AAA)
YUV	81.6020, 43.5802, -71.5650
Hunter-Lab	36.3460, -2.6597, -39.6878

Details

The XYZ color **12.4097, 13.2103, 39.9260** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.4129, 12.2163, 1.3884**, and the grayscale version is **7.8703, 8.2802, 9.0171**.

A 20% lighter version of the original color is **29.9043, 31.7288, 76.4996**, and **4.7749, 4.4123, 17.4296** is the 20% darker color. If you saturate the color by 10%, you get **12.4087, 13.2082, 39.9259**, and if you desaturate by 10%, it is **13.3261, 14.6990, 40.1653**.

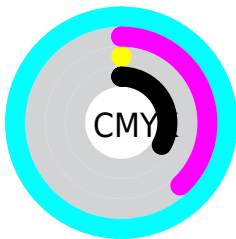
Distribution



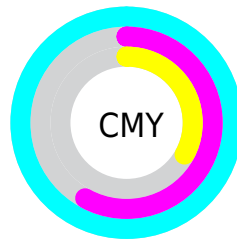
- Red (0%)
- Green (42%)
- Blue (67%)



- Red (0%)
- Yellow (25%)
- Blue (67%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4097, 13.2103, 39.9260 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 12.4097, 13.2103, 39.9260 by changing the saturation by 10% instead.

■ 12.4097, 13.2103,
39.9260

■ 12.4097, 13.2103,
39.9260

200.8141,
212.2611, 361.3544

■ 7.0975, 7.5735,
27.1675

■ 29.8495, 31.6811,
76.2867

■ 3.5700, 3.8233,
17.4655

■ 42.7079, 45.2839,
100.7259

■ 1.4619, 1.5752,
10.4015

■ 58.8124, 62.3108,
129.8959

■ 0.2997, 0.3408,
5.5569

■ 78.5284, 83.1462,
164.2150

■ 0.0000, 0.0000,
2.5132

■ 102.2212,
108.1746, 204.1019

■ 0.0000, 0.0000,
0.8471

■ 130.2562,

■ 0.0000, 0.0000,

137.7803, 249.9750

0.0000

162.9987,
172.3476, 302.2530

■ 12.4097, 13.2103,
39.9260

■ 12.4097, 13.2103,
39.9260

■ 12.4087, 13.2082,
39.9259

■ 13.3261, 14.6990,
40.1653

■ 14.4898, 16.3897,
40.4303

■ 15.9820, 18.3258,
40.7254

■ 17.8395, 20.5279,
41.0526

■ 20.0942, 23.0137,
41.4135

■ 22.7737, 25.7990,
41.8099

■ 25.9034, 28.8980,
42.2431

■ 29.5064, 32.3240,
42.7145

■ 33.6042, 36.0893,
43.2253

Harmonies

Analogous

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



9.6359, 13.2103, 35.0913



12.4097, 13.2103, 39.9260



15.7161, 13.2103, 35.8590

Triad

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



12.4097, 13.2103, 39.9260



18.7189, 13.2103, 7.5244



8.0288, 13.2103, 7.0613

Complementary

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



12.4097, 13.2103, 39.9260



18.4129, 12.2163, 1.3884

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.



9.8507, 13.2103, 3.8428



12.4097, 13.2103, 39.9260



16.0134, 13.2103, 4.0199

Square

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



12.4097, 13.2103, 39.9260



19.7079, 13.2103, 14.8085



12.7034, 13.2103, 3.0240



7.3849, 13.2103, 13.9672

Rectangle

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



12.4097, 13.2103, 39.9260



17.7212, 13.2103, 29.3274



12.7034, 13.2103, 3.0240



8.5068, 13.2103, 5.6407

Sweetspot

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



12.4102, 13.2107, 39.9263



46.6575, 52.1008, 76.5992



15.2544, 29.1016, 9.4214



9.8678, 11.0924, 17.0086



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



12.4102, 13.2107, 39.9263



22.2986, 23.5336, 72.3691



7.5564, 3.5031, 38.3084



7.5066, 8.0502, 9.5765



9.1828, 9.8258, 29.3881



0.2702, 0.3327, 0.7306

Inverse Universe

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



19.1796, 9.5874, 14.4755



34.6886, 17.3501, 25.6854



27.0642, 29.5188, 4.2721



7.7203, 7.6180, 8.8445



14.1356, 7.0630, 10.7918



0.3675, 0.1813, 0.3869

Previews

White Background



This preview shows how the XYZ color 12.4097, 13.2103, 39.9260 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 12.4097, 13.2103, 39.9260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

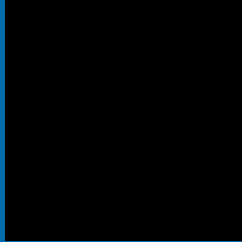
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4097, 13.2103, 39.9260

Background



This preview shows how black text looks on a background with the XYZ color 12.4097, 13.2103, 39.9260.



This preview shows how white text looks on a background with the XYZ color 12.4097, 13.2103,

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

12.4097, 13.2103, 39.9260

Protanopia

14.1432, 13.1405, 36.9129

Deuteranopia

13.5703, 13.1999, 40.3607



Tritanopia

9.3563, 13.1907, 20.1421

Trichromacy



Original Color

12.4097, 13.2103, 39.9260

Protanomaly

12.8532, 12.8843, 37.8859

Deuteranomaly

12.8606, 12.9809, 40.3558

Tritanomaly

10.2361, 13.0159, 26.3989

Monochromacy



Original Color

12.4097, 13.2103, 39.9260

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.1945, 9.4271, 17.3073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4097, 13.2103, 39.9260 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, 106, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 170)  
}
```

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, 106, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 170) }
```

Border

The CSS property to change the border of an element to XYZ 12.4097, 13.2103, 39.9260 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, 106, 170) }
```


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

```
.border{ border-color:rgb(0, 106, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4097, 13.2103, 39.9260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 170) }
```

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

```
.background{ background-color: rgb(0, 106,  
170) }
```

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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