

Converting Colors

XYZ(14.0875, 16.8216, 39.6969)

Have a look what the booklet for
XYZ(14.0875, 16.8216, 39.6969)
contains.

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Color

**XYZ(14.0274, 16.7462,
39.5388)**

Conversions

Conversions Part 1

Format	Color
Hex	007AA8
RGB	0, 122, 168
RGB Percent	0%, 48%, 66%
CMY	0.9999, 0.5216, 0.3412
CMYK	1.00, 0.27, 0.00, 0.34
HSL	196°, 100%, 33%
HSV	196°, 100%, 66%
XYZ	14.0274, 16.7462, 39.5388
YIQ	90.7660, -87.4780, -11.5580

Conversions

Conversions Part 2

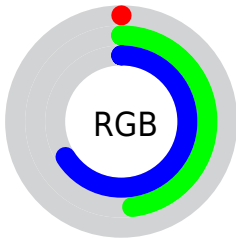
Format	Color
RYB	0, 71, 168
Decimal	31400
CIELab	47.94, -11.37, -32.45
CIELCh	48, 34.381, 250.694
Yxy	16.7462, 0.1995, 0.2382
Android (android.graphics.Color)	4278221480 (0xFF007AA8)
YUV	90.7660, 38.0764, -79.6018
Hunter-Lab	40.9221, -10.4270, -28.6403

Details

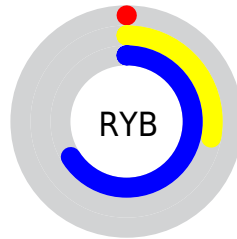
The XYZ color **14.0274, 16.7462, 39.5388** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.1269, 10.2812, 1.0826**, and the grayscale version is **9.8237, 10.3353, 11.2551**.

A 20% lighter version of the original color is **32.5752, 37.7237, 75.3765**, and **5.5349, 6.0260, 17.3944** is the 20% darker color. If you saturate the color by 10%, you get **14.0267, 16.7446, 39.5389**, and if you desaturate by 10%, it is **14.8342, 18.0209, 39.7427**.

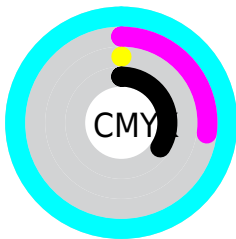
Distribution



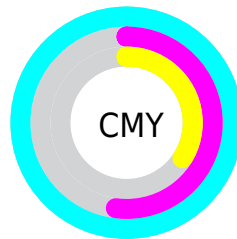
- Red (0%)
- Green (48%)
- Blue (66%)



- Red (0%)
- Yellow (28%)
- Blue (66%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (52%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0274, 16.7462, 39.5388 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 14.0274, 16.7462, 39.5388 by changing the saturation by 10% instead.

■ 14.0274, 16.7462,
39.5388

■ 14.0274, 16.7462,
39.5388

210.9084,
233.7055, 359.6700

■ 8.2216, 10.0537,
26.8681

■ 32.7235, 37.8889,
75.6901

■ 4.2900, 5.4346,
17.2426

■ 46.3445, 53.1079,
100.0077

■ 1.8675, 2.5044,
10.2438

■ 63.3012, 71.9378,
129.0448

■ 0.5578, 0.8789,
5.4532

■ 83.9590, 94.7631,
163.2198

■ 0.0000, 0.0000,
2.4522

■ 108.6833,
121.9681, 202.9513

■ 0.0000, 0.0000,
0.8147

■ 137.8394,

■ 0.0000, 0.0000,

153.9372, 248.6578

0.0000

171.7926,
191.0549, 300.7578

■ 14.0274, 16.7462,
39.5388

■ 14.0274, 16.7462,
39.5388

■ 14.0267, 16.7446,
39.5389

■ 14.8342, 18.0209,
39.7427

■ 15.8590, 19.4481,
39.9641

■ 17.1811, 21.0693,
40.2074

■ 18.8357, 22.9031,
40.4741

■ 20.8529, 24.9657,
40.7659

■ 23.2593, 27.2711,
41.0841

■ 26.0787, 29.8323,
41.4298

■ 29.3331, 32.6609,
41.8043

■ 33.0429, 35.7680,
42.2085

Harmonies

Analogous

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



11.8139, 16.7462, 31.7726



14.0274, 16.7462, 39.5388



17.0479, 16.7462, 40.6602

Triad

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



14.0274, 16.7462, 39.5388



22.5171, 16.7462, 15.2477



12.3401, 16.7462, 8.1162

Complementary

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



14.0274, 16.7462, 39.5388



17.1269, 10.2812, 1.0826

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.



14.8368, 16.7462, 6.0825



14.0274, 16.7462, 39.5388



20.8740, 16.7462, 9.2189

Square

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



14.0274, 16.7462, 39.5388



22.2266, 16.7462, 24.4758



17.9686, 16.7462, 6.4071



10.9307, 16.7462, 13.1549

Rectangle

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



14.0274, 16.7462, 39.5388



19.1552, 16.7462, 37.1902



17.9686, 16.7462, 6.4071



13.0656, 16.7462, 7.1462

Sweetspot

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



14.0280, 16.7468, 39.5392



47.0118, 53.8578, 75.1429



14.4734, 28.1938, 7.1438



9.7806, 11.3202, 16.3217



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.



14.0280, 16.7468, 39.5392



25.2659, 30.0106, 71.6861



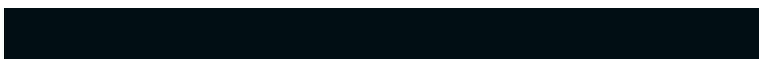
7.8012, 4.2931, 37.4636



7.5713, 8.1794, 9.5981



10.6366, 12.7334, 29.8727



0.2981, 0.3883, 0.7399

Inverse Universe

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



19.6619, 9.7307, 19.2547



35.5830, 17.6183, 34.4373



23.9737, 23.9748, 3.3649



7.7529, 7.6310, 9.0162



14.8695, 7.3565, 14.6560



0.3816, 0.1869, 0.4610

Previews

White Background



This preview shows how the XYZ color 14.0274, 16.7462, 39.5388 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 14.0274, 16.7462, 39.5388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

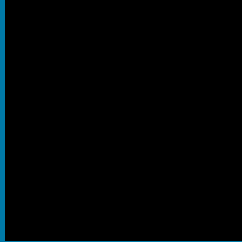
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0274, 16.7462, 39.5388

Background



This preview shows how black text looks on a background with the XYZ color 14.0274, 16.7462, 39.5388.

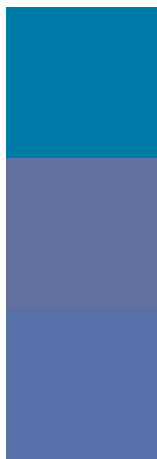


This preview shows how white text looks on a background with the XYZ color 14.0274, 16.7462,

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

14.0274, 16.7462, 39.5388

Protanopia

17.2849, 16.7791, 35.5854

Deuteranopia

17.0913, 16.7388, 40.3603



Tritanopia

11.9048, 16.6993, 25.8884

Trichromacy



Original Color

14.0274, 16.7462, 39.5388

Protanomaly

14.9061, 16.1919, 36.9900

Deuteranomaly

14.9824, 16.1676, 39.8671

Tritanomaly

12.6789, 16.8053, 30.5925

Monochromacy



Original Color

14.0274, 16.7462, 39.5388

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.8261, 11.7342, 19.1998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0274, 16.7462, 39.5388 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, 122, 168)` looks like.

```
.text, #text, p{  
  color:rgb(0, 122, 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, 122, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 168) }
```

Border

The CSS property to change the border of an element to XYZ 14.0274, 16.7462, 39.5388 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, 122, 168) }
```


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

```
.border{ border-color:rgb(0, 122, 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, 122, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0274, 16.7462, 39.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 168) }
```

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

```
.background{ background-color: rgb(0, 122,  
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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