

Converting Colors

XYZ(9.2323, 13.8293, 40.6656)

Have a look what the booklet for
XYZ(9.2323, 13.8293, 40.6656)
contains.

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Color

**XYZ(14.0672, 16.3732,
40.9470)**

Conversions

Conversions Part 1

Format	Color
Hex	0078AB
RGB	0, 120, 171
RGB Percent	0%, 47%, 67%
CMY	0.9999, 0.5294, 0.3294
CMYK	1.00, 0.30, 0.00, 0.33
HSL	198°, 100%, 34%
HSV	198°, 100%, 67%
XYZ	14.0672, 16.3732, 40.9470
YIQ	89.9340, -87.8910, -9.5790

Conversions

Conversions Part 2

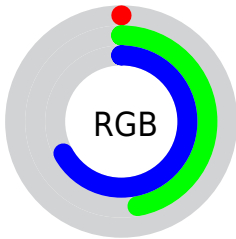
Format	Color
RYB	0, 71, 171
Decimal	30891
CIELab	47.46, -9.06, -34.95
CIELCh	47, 36.101, 255.472
Yxy	16.3732, 0.1971, 0.2294
Android (android.graphics.Color)	4278220971 (0xFF0078AB)
YUV	89.9340, 39.9655, -78.8721
Hunter-Lab	40.4638, -8.7563, -31.6733

Details

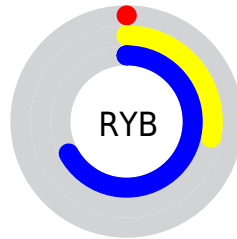
The XYZ color **14.0672, 16.3732, 40.9470** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.9803, 11.0289, 1.1822**, and the grayscale version is **9.6335, 10.1352, 11.0372**.

A 20% lighter version of the original color is **32.8341, 37.2248, 78.1276**, and **5.5874, 5.9427, 17.9921** is the 20% darker color. If you saturate the color by 10%, you get **14.0660, 16.3709, 40.9470**, and if you desaturate by 10%, it is **14.9309, 17.7538, 41.1683**.

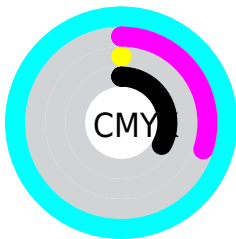
Distribution



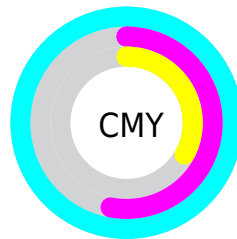
- Red (0%)
- Green (47%)
- Blue (67%)



- Red (0%)
- Yellow (28%)
- Blue (67%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0672, 16.3732, 40.9470 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 14.0672, 16.3732, 40.9470 by changing the saturation by 10% instead.

■ 14.0672, 16.3732,
40.9470

■ 14.0672, 16.3732,
40.9470

■ 211.1507,
231.5339, 365.7691

■ 8.2494, 9.7886,
27.9583

■ 32.7935, 37.2449,
77.8562

■ 4.3081, 5.2590,
18.0554

■ 46.4327, 52.3008,
102.6138

■ 1.8779, 2.4000,
10.8200

■ 63.4098, 70.9493,
132.1315

■ 0.5639, 0.8259,
5.8332

■ 84.0901, 93.5747,
166.8277

■ 0.0000, 0.0000,
2.6768

■ 108.8390,
120.5615, 207.1210

■ 0.0000, 0.0000,
0.9317

■ 138.0219,

■ 0.0000, 0.0000,

152.2940, 253.4300

0.0000

172.0040,
189.1567, 306.1732

■ 14.0672, 16.3732,
40.9470

■ 14.0672, 16.3732,
40.9470

■ 14.0660, 16.3709,
40.9470

■ 14.9309, 17.7538,
41.1683

■ 16.0280, 19.3038,
41.4097

■ 17.4395, 21.0659,
41.6754

■ 19.2027, 23.0598,
41.9673

■ 21.3490, 25.3027,
42.2871

■ 23.9062, 27.8095,
42.6362

■ 26.8997, 30.5938,
43.0159

■ 30.3522, 33.6681,
43.4273

■ 34.2852, 37.0441,
43.8716

Harmonies

Analogous

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



11.6289, 16.3732, 33.5994



14.0672, 16.3732, 40.9470



17.2646, 16.3732, 40.8160

Triad

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



14.0672, 16.3732, 40.9470



22.2880, 16.3732, 13.5222



11.5698, 16.3732, 8.0953

Complementary

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



14.0672, 16.3732, 40.9470



17.9803, 11.0289, 1.1822

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.



13.9757, 16.3732, 5.6554



14.0672, 16.3732, 40.9470



20.2954, 16.3732, 7.9744

Square

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



14.0672, 16.3732, 40.9470



22.3214, 16.3732, 22.6307



17.1596, 16.3732, 5.6205



10.3272, 16.3732, 13.7573

Rectangle

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



14.0672, 16.3732, 40.9470



19.4188, 16.3732, 36.4065



17.1596, 16.3732, 5.6205



12.2534, 16.3732, 6.9721

Sweetspot

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



14.0678, 16.3737, 40.9474



47.8586, 54.5030, 76.9996



15.1069, 29.3437, 7.7158



10.1656, 11.6880, 17.1079



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.



14.0678, 16.3737, 40.9474



24.9980, 28.9325, 73.2689



8.0152, 4.2686, 38.9299



8.0316, 8.6625, 10.2014



10.6512, 12.4362, 30.8836



0.3410, 0.4353, 0.8740

Inverse Universe

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



20.1854, 10.0149, 18.6388



36.0512, 17.8951, 32.8605



25.3143, 25.6968, 3.6268



8.2337, 8.1067, 9.5417



15.2399, 7.5585, 14.1744



0.4465, 0.2193, 0.5131

Previews

White Background



This preview shows how the XYZ color 14.0672, 16.3732, 40.9470 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 14.0672, 16.3732, 40.9470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

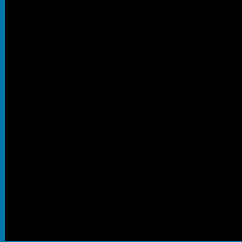
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0672, 16.3732, 40.9470

Background



This preview shows how black text looks on a background with the XYZ color 14.0672, 16.3732, 40.9470.



This preview shows how white text looks on a background with the XYZ color 14.0672, 16.3732,

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

14.0672, 16.3732, 40.9470

Protanopia

16.9061, 16.2291, 36.8918

Deuteranopia

16.8167, 16.3993, 41.8142



Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Original Color

14.0672, 16.3732, 40.9470

Protanomaly

14.7637, 15.7485, 38.3380

Deuteranomaly

14.9933, 15.9701, 41.3220

Tritanomaly

12.3494, 16.2725, 30.0938

Monochromacy



Original Color

14.0672, 16.3732, 40.9470

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.6708, 11.5091, 19.1645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0672, 16.3732, 40.9470 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, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 171)  
}
```

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, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 171) }
```

Border

The CSS property to change the border of an element to XYZ 14.0672, 16.3732, 40.9470 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, 120, 171) }
```


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

```
.border{ border-color:rgb(0, 120, 171) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0672, 16.3732, 40.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 171) }
```

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

```
.background{ background-color: rgb(0, 120,  
171) }
```

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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