

Converting Colors

XYZ(14.8651, 17.1998, 43.5848)

Have a look what the booklet for
XYZ(14.8651, 17.1998, 43.5848)
contains.

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Color

**XYZ(14.9194, 17.3005,
43.6273)**

Conversions

Conversions Part 1

Format	Color
Hex	007BB0
RGB	0, 123, 176
RGB Percent	0%, 48%, 69%
CMY	0.9999, 0.5176, 0.3098
CMYK	1.00, 0.30, 0.00, 0.31
HSL	198°, 100%, 35%
HSV	198°, 100%, 69%
XYZ	14.9194, 17.3005, 43.6273
YIQ	92.2650, -90.3210, -9.5930

Conversions

Conversions Part 2

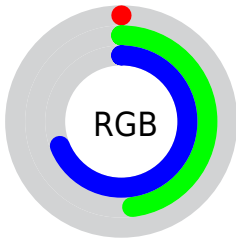
Format	Color
RYB	0, 72, 176
Decimal	31664
CIELab	48.64, -8.89, -36.00
CIELCh	49, 37.084, 256.131
Yxy	17.3005, 0.1967, 0.2281
Android (android.graphics.Color)	4278221744 (0xFF007BB0)
YUV	92.2650, 41.2814, -80.9164
Hunter-Lab	41.5939, -8.7627, -33.0728

Details

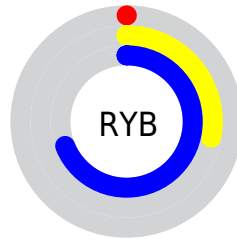
The XYZ color **14.9194, 17.3005, 43.6273** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.1793, 11.7791, 1.2636**, and the grayscale version is **10.1587, 10.6877, 11.6390**.

A 20% lighter version of the original color is **34.2098, 38.7103, 82.0127**, and **6.0912, 6.4622, 19.6652** is the 20% darker color. If you saturate the color by 10%, you get **14.9186, 17.2986, 43.6274**, and if you desaturate by 10%, it is **15.8378, 18.7770, 43.8643**.

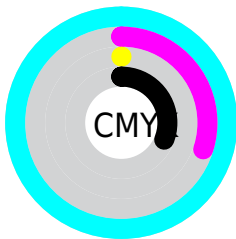
Distribution



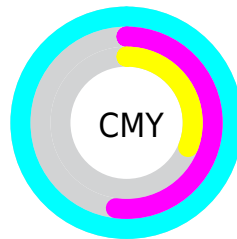
- Red (0%)
- Green (48%)
- Blue (69%)



- Red (0%)
- Yellow (28%)
- Blue (69%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (52%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9194, 17.3005, 43.6273 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 14.9194, 17.3005, 43.6273 by changing the saturation by 10% instead.

■ 14.9194, 17.3005,
43.6273

■ 14.9194, 17.3005,
43.6273

216.2759,
236.8982, 377.1820

■ 8.8488, 10.4490,
30.0426

■ 34.2845, 38.8417,
81.9531

■ 4.6990, 5.6976,
19.6186

■ 48.3098, 54.3002,
107.5313

■ 2.1047, 2.6621,
11.9368

■ 65.7173, 73.3965,
137.9443

■ 0.6918, 0.9580,
6.5786

■ 86.8724, 96.5149,
173.6108

■ 0.0000, 0.0000,
3.1256

■ 112.1404,
124.0399, 214.9493

■ 0.0000, 0.0000,
1.1591

■ 141.8868,

■ 0.0000, 0.0000,

156.3558, 262.3783

0.0000

176.4768,
193.8471, 316.3163

■ 14.9194, 17.3005,
43.6273

■ 14.9194, 17.3005,
43.6273

■ 14.9186, 17.2986,
43.6274

■ 15.8378, 18.7770,
43.8643

■ 17.0078, 20.4366,
44.1229

■ 18.5145, 22.3243,
44.4079

■ 20.3978, 24.4614,
44.7211

■ 22.6915, 26.8660,
45.0644

■ 25.4257, 29.5545,
45.4392

■ 28.6273, 32.5414,
45.8470

■ 32.3211, 35.8402,
46.2890

■ 36.5299, 39.4634,
46.7665

Harmonies

Analogous

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



12.3000, 17.3005, 35.9068



14.9194, 17.3005, 43.6273



18.3363, 17.3005, 43.2917

Triad

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



14.9194, 17.3005, 43.6273



23.5921, 17.3005, 14.0807



12.1496, 17.3005, 8.5796

Complementary

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



14.9194, 17.3005, 43.6273



19.1793, 11.7791, 1.2636

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.



14.6859, 17.3005, 5.9319



14.9194, 17.3005, 43.6273



21.4267, 17.3005, 8.2725

Square

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



14.9194, 17.3005, 43.6273



23.6776, 17.3005, 23.7139



18.0682, 17.3005, 5.8434



10.8571, 17.3005, 14.6798

Rectangle

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



14.9194, 17.3005, 43.6273



20.6271, 17.3005, 38.4732



18.0682, 17.3005, 5.8434



12.8679, 17.3005, 7.3654

Sweetspot

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



14.9200, 17.3011, 43.6277



51.5828, 58.7109, 83.1089



16.1643, 31.3065, 8.5375



10.6430, 12.2292, 17.9439



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



14.9200, 17.3011, 43.6277



26.8493, 30.9582, 79.0557



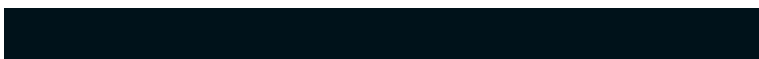
8.4446, 4.3501, 41.4693



8.5223, 9.1908, 10.8312



10.9990, 12.7984, 32.0276



0.3943, 0.4992, 1.0238

Inverse Universe

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



21.4802, 10.6609, 19.6650



38.8512, 19.2917, 35.1076



27.4012, 28.2230, 4.0042



8.7388, 8.6022, 10.1231



15.7865, 7.8321, 14.5673



0.5211, 0.2562, 0.5866

Previews

White Background



This preview shows how the XYZ color 14.9194, 17.3005, 43.6273 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 14.9194, 17.3005, 43.6273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

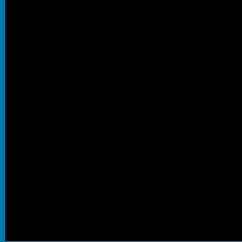
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9194, 17.3005, 43.6273

Background



This preview shows how black text looks on a background with the XYZ color 14.9194, 17.3005, 43.6273.

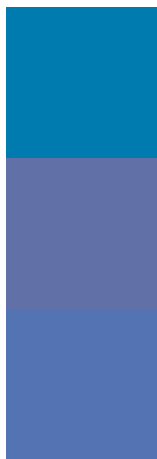


This preview shows how white text looks on a background with the XYZ color 14.9194, 17.3005,

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

14.9194, 17.3005, 43.6273

Protanopia

17.9028, 17.1788, 39.4180

Deuteranopia

17.7339, 17.3148, 44.5269



Tritanopia

12.3066, 17.2733, 26.7302

Trichromacy



Original Color

14.9194, 17.3005, 43.6273

Protanomaly

15.6986, 16.6870, 40.9216

Deuteranomaly

15.8824, 16.8881, 44.0176

Tritanomaly

13.1284, 17.1887, 32.3316

Monochromacy



Original Color

14.9194, 17.3005, 43.6273

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.2290, 12.0604, 20.5276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9194, 17.3005, 43.6273 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, 123, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 176)  
}
```

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, 123, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 176) }
```

Border

The CSS property to change the border of an element to XYZ 14.9194, 17.3005, 43.6273 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, 123, 176) }
```


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

```
.border{ border-color:rgb(0, 123, 176) }
```

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

Here you see how a box with a 4 pixel rgb(0, 123, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9194, 17.3005, 43.6273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 176) }
```

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

```
.background{ background-color: rgb(0, 123,  
176) }
```

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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