

Converting Colors

XYZ(14.1081, 17.2397, 38.5399)

Have a look what the booklet for
XYZ(14.1081, 17.2397, 38.5399)
contains.

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Color

**XYZ(14.0906, 17.1685,
38.6476)**

Conversions

Conversions Part 1

Format	Color
Hex	007CA6
RGB	0, 124, 166
RGB Percent	0%, 49%, 65%
CMY	0.9999, 0.5137, 0.3490
CMYK	1.00, 0.25, 0.00, 0.35
HSL	195°, 100%, 33%
HSV	195°, 100%, 65%
XYZ	14.0906, 17.1685, 38.6476
YIQ	91.7120, -87.3860, -13.2260

Conversions

Conversions Part 2

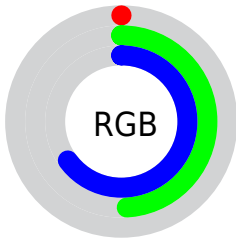
Format	Color
RYB	0, 71, 166
Decimal	31910
CIELab	48.47, -13.27, -30.45
CIELCh	48, 33.214, 246.454
Yxy	17.1685, 0.2016, 0.2456
Android (android.graphics.Color)	4278221990 (0xFF007CA6)
YUV	91.7120, 36.6240, -80.4314
Hunter-Lab	41.4349, -11.8093, -26.2972

Details

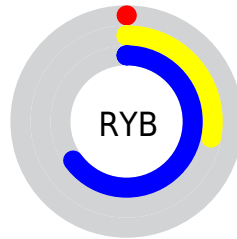
The XYZ color **14.0906, 17.1685, 38.6476** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.5552, 9.7651, 1.0131**, and the grayscale version is **10.0417, 10.5647, 11.5049**.

A 20% lighter version of the original color is **32.8931, 38.7886, 74.1599**, and **5.5533, 6.2471, 16.8327** is the 20% darker color. If you saturate the color by 10%, you get **14.0899, 17.1670, 38.6477**, and if you desaturate by 10%, it is **14.8532, 18.3601, 38.8378**.

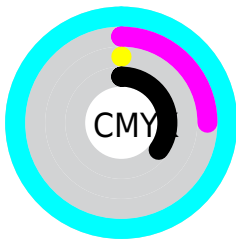
Distribution



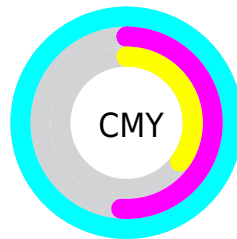
- Red (0%)
- Green (49%)
- Blue (65%)



- Red (0%)
- Yellow (28%)
- Blue (65%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (51%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0906, 17.1685, 38.6476 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 14.0906, 17.1685, 38.6476 by changing the saturation by 10% instead.

■ 14.0906, 17.1685,
38.6476

■ 14.0906, 17.1685,
38.6476

■ 211.2931,
236.1415, 355.7710

■ 8.2658, 10.3547,
26.1800

■ 32.8346, 38.6153,
74.3141

■ 4.3187, 5.6348,
16.7314

■ 46.4846, 54.0170,
98.3500

■ 1.8840, 2.6243,
9.8832

■ 63.4737, 73.0502,
127.0791

■ 0.5675, 0.9389,
5.2170

■ 84.1672, 96.0992,
160.9199

■ 0.0000, 0.0000,
2.3142

■ 108.9305,
123.5485, 200.2909

■ 0.0000, 0.0000,
0.7391

■ 138.1291,

■ 0.0000, 0.0000,

155.7823, 245.6108

0.0000

172.1281,
193.1852, 297.2980

■ 14.0906, 17.1685,
38.6476

■ 14.0906, 17.1685,
38.6476

■ 14.0899, 17.1670,
38.6477

■ 14.8532, 18.3601,
38.8378

■ 15.8236, 19.6923,
39.0438

■ 17.0794, 21.2058,
39.2697

■ 18.6548, 22.9185,
39.5173

■ 20.5790, 24.8458,
39.7879

■ 22.8777, 27.0014,
40.0828

■ 25.5739, 29.3976,
40.4032

■ 28.6889, 32.0457,
40.7501

■ 32.2425, 34.9562,
41.1246

Harmonies

Analogous

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



12.0499, 17.1685, 30.5226



14.0906, 17.1685, 38.6476



16.9848, 17.1685, 40.7773

Triad

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



14.0906, 17.1685, 38.6476



22.8499, 17.1685, 16.8724



13.0826, 17.1685, 8.1952

Complementary

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



14.0906, 17.1685, 38.6476



16.5552, 9.7651, 1.0131

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.



15.6692, 17.1685, 6.4973



14.0906, 17.1685, 38.6476



21.4912, 17.1685, 10.4000

Square

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



14.0906, 17.1685, 38.6476



22.2912, 17.1685, 26.2184



18.7689, 17.1685, 7.1555



11.5205, 17.1685, 12.7668

Rectangle

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



14.0906, 17.1685, 38.6476



19.0660, 17.1685, 38.0671



18.7689, 17.1685, 7.1555



13.8479, 17.1685, 7.3467

Sweetspot

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



14.0912, 17.1691, 38.6480



46.1121, 53.0912, 73.2925



14.0461, 27.4367, 6.7014



9.8587, 11.4763, 16.3477



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.



14.0912, 17.1691, 38.6480



25.3948, 30.8026, 70.0823



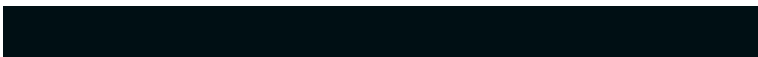
7.6945, 4.3756, 36.5158



7.5844, 8.2058, 9.6025



10.9646, 13.3893, 29.9820



0.3041, 0.4003, 0.7419

Inverse Universe

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



19.3645, 9.5630, 19.8945



35.0538, 17.3186, 35.6317



22.9977, 22.6501, 3.1606



7.7596, 7.6337, 9.0512



15.0350, 7.4227, 15.5278



0.3846, 0.1881, 0.4769

Previews

White Background



This preview shows how the XYZ color 14.0906, 17.1685, 38.6476 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 14.0906, 17.1685, 38.6476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

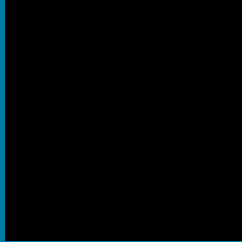
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0906, 17.1685, 38.6476

Background



This preview shows how black text looks on a background with the XYZ color 14.0906, 17.1685, 38.6476.

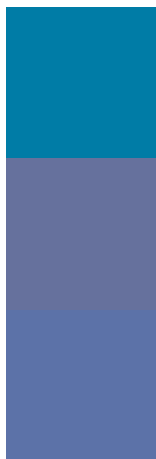


This preview shows how white text looks on a background with the XYZ color 14.0906, 17.1685,

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

14.0906, 17.1685, 38.6476

Protanopia

17.4704, 17.0694, 34.2722

Deuteranopia

17.4988, 17.1371, 39.4313



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

14.0906, 17.1685, 38.6476

Protanomaly

14.8864, 16.3845, 35.6356

Deuteranomaly

15.2571, 16.6767, 38.9740

Tritanomaly

12.9347, 17.3169, 30.6777

Monochromacy



Original Color

14.0906, 17.1685, 38.6476

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.0837, 12.1623, 19.2689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0906, 17.1685, 38.6476 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, 124, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 166)  
}
```

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, 124, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 166) }
```

Border

The CSS property to change the border of an element to XYZ 14.0906, 17.1685, 38.6476 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, 124, 166) }
```


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

```
.border{ border-color:rgb(0, 124, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0906, 17.1685, 38.6476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 166) }
```

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

```
.background{ background-color: rgb(0, 124,  
166) }
```

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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