

Converting Colors

XYZ(7.1874, 14.3140, 39.6921)

Have a look what the booklet for
XYZ(7.1874, 14.3140, 39.6921)
contains.

XYZ(14.8806, 18.3029, 40.2846)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.8806, 18.3029,
40.2846)**

Conversions

Conversions Part 1

Format	Color
Hex	0080A9
RGB	0, 128, 169
RGB Percent	0%, 50%, 66%
CMY	0.9999, 0.4980, 0.3373
CMYK	1.00, 0.24, 0.00, 0.34
HSL	195°, 100%, 33%
HSV	195°, 100%, 66%
XYZ	14.8806, 18.3029, 40.2846
YIQ	94.4020, -89.4490, -14.3850

Conversions

Conversions Part 2

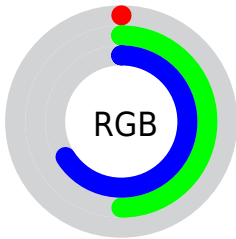
Format	Color
RYB	0, 73, 169
Decimal	32937
CIELab	49.86, -14.40, -30.02
CIELCh	50, 33.300, 244.372
Yxy	18.3029, 0.2025, 0.2491
Android (android.graphics.Color)	4278223017 (0xFF0080A9)
YUV	94.4020, 36.7768, -82.7906
Hunter-Lab	42.7819, -12.7816, -25.8818

Details

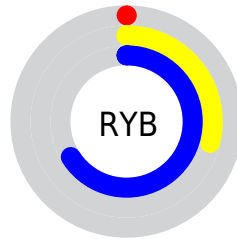
The XYZ color **14.8806, 18.3029, 40.2846** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.1565, 10.0232, 1.0313**, and the grayscale version is **10.6676, 11.2232, 12.2221**.

A 20% lighter version of the original color is **34.1949, 40.6032, 76.5560**, and **6.0069, 6.8763, 17.8403** is the 20% darker color. If you saturate the color by 10%, you get **14.8799, 18.3013, 40.2847**, and if you desaturate by 10%, it is **15.6566, 19.5134, 40.4777**.

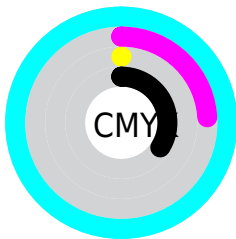
Distribution



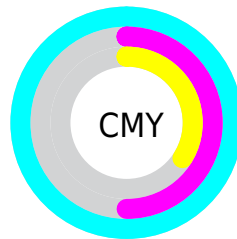
- Red (0%)
- Green (50%)
- Blue (66%)



- Red (0%)
- Yellow (29%)
- Blue (66%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (50%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8806, 18.3029, 40.2846 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 14.8806, 18.3029, 40.2846 by changing the saturation by 10% instead.

14.8806, 18.3029,
40.2846

14.8806, 18.3029,
40.2846

216.0451,
242.5728, 362.9094

8.8214, 11.1677,
27.4450

34.2170, 40.5528,
76.8385

4.6810, 6.1797,
17.6724

48.2248, 56.4362,
101.3900

2.0942, 2.9547,
10.5480

65.6130, 76.0045,
130.6824

0.6860, 1.1081,
5.6535

86.7467, 99.6421,
165.1345

0.0000, 0.0000,
2.5702

111.9915,
127.7333, 205.1647

0.0000, 0.0000,
0.8770

141.7125,

0.0000, 0.0000,

160.6626, 251.1915

0.0000

176.2753,
198.8143, 303.6336

■ 14.8806, 18.3029,
40.2846

■ 14.8806, 18.3029,
40.2846

■ 14.8799, 18.3013,
40.2847

■ 15.6566, 19.5134,
40.4777

■ 16.6484, 20.8673,
40.6868

■ 17.9357, 22.4064,
40.9160

■ 19.5544, 24.1495,
41.1672

■ 21.5347, 26.1126,
41.4417

■ 23.9036, 28.3098,
41.7409

■ 26.6852, 30.7541,
42.0661

■ 29.9017, 33.4571,
42.4183

■ 33.5736, 36.4297,
42.7986

Harmonies

Analogous

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



12.8169, 18.3029, 31.5564



14.8806, 18.3029, 40.2846



17.8673, 18.3029, 43.0201

Triad

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



14.8806, 18.3029, 40.2846



24.2422, 18.3029, 18.6217



14.1640, 18.3029, 8.6777

Complementary

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



14.8806, 18.3029, 40.2846



17.1565, 10.0232, 1.0313

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.



16.9338, 18.3029, 7.0606



14.8806, 18.3029, 40.2846



22.9543, 18.3029, 11.5787

Square

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



14.8806, 18.3029, 40.2846



23.5203, 18.3029, 28.5144



20.1808, 18.3029, 7.9322



12.4399, 18.3029, 13.2667

Rectangle

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



14.8806, 18.3029, 40.2846



20.0469, 18.3029, 40.5446



20.1808, 18.3029, 7.9322



14.9904, 18.3029, 7.8447

Sweetspot

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



14.8812, 18.3035, 40.2851



47.4946, 54.8233, 75.3038



14.5623, 28.5259, 6.6980



9.8980, 11.5550, 16.3608



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.



14.8812, 18.3035, 40.2851



26.4780, 32.4349, 72.0901



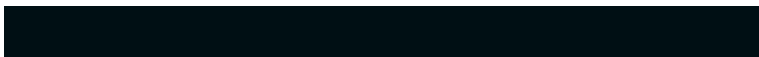
8.1037, 4.7484, 38.0259



7.5911, 8.2190, 9.6047



11.1330, 13.7262, 30.0381



0.3071, 0.4064, 0.7429

Inverse Universe

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



20.2591, 9.9943, 21.2839



36.1948, 17.8631, 37.6591



23.5629, 22.8360, 3.1668



7.7629, 7.6350, 9.0688



15.1200, 7.4567, 15.9754



0.3862, 0.1887, 0.4850

Previews

White Background



This preview shows how the XYZ color 14.8806, 18.3029, 40.2846 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 14.8806, 18.3029, 40.2846 looks on a black 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

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

XYZ 14.8806, 18.3029, 40.2846

Background



This preview shows how black text looks on a background with the XYZ color 14.8806, 18.3029, 40.2846.

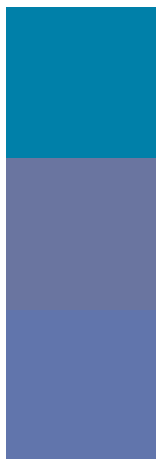


This preview shows how white text looks on a background with the XYZ color 14.8806, 18.3029,

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

14.8806, 18.3029, 40.2846

Protanopia

18.6503, 18.3248, 35.8118

Deuteranopia

18.7374, 18.2425, 41.5633



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

14.8806, 18.3029, 40.2846

Protanomaly

15.7630, 17.5124, 37.1998

Deuteranomaly

16.1747, 17.6392, 41.0803

Tritanomaly

13.5685, 18.1996, 32.0759

Monochromacy



Original Color

14.8806, 18.3029, 40.2846

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4687, 12.6492, 19.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8806, 18.3029, 40.2846 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, 128, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 169)  
}
```

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, 128, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 169) }
```

Border

The CSS property to change the border of an element to XYZ 14.8806, 18.3029, 40.2846 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, 128, 169) }
```


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

```
.border{ border-color:rgb(0, 128, 169) }
```

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

Here you see how a box with a 4 pixel rgb(0, 128, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8806, 18.3029, 40.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 169) }
```

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

```
.background{ background-color: rgb(0, 128,  
169) }
```

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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