

Converting Colors

XYZ(8.2671, 15.6451, 36.5846)

Have a look what the booklet for
XYZ(8.2671, 15.6451, 36.5846)
contains.

XYZ(14.6379, 18.8412, 37.0476)	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(14.6379, 18.8412,
37.0476)**

Conversions

Conversions Part 1

Format	Color
Hex	0083A2
RGB	0, 131, 162
RGB Percent	0%, 51%, 64%
CMY	0.9999, 0.4863, 0.3647
CMYK	1.00, 0.19, 0.00, 0.36
HSL	191°, 100%, 32%
HSV	191°, 100%, 64%
XYZ	14.6379, 18.8412, 37.0476
YIQ	95.3650, -88.0270, -18.1310

Conversions

Conversions Part 2

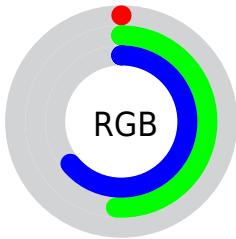
Format	Color
RYB	0, 72, 162
Decimal	33698
CIELab	50.50, -18.63, -24.97
CIELCh	51, 31.154, 233.268
Yxy	18.8412, 0.2076, 0.2671
Android (android.graphics.Color)	4278223778 (0xFF0083A2)
YUV	95.3650, 32.8511, -83.6351
Hunter-Lab	43.4065, -15.7660, -20.2198

Details

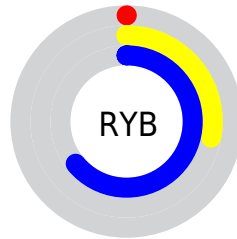
The XYZ color **14.6379, 18.8412, 37.0476** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.3914, 8.6631, 0.8618**, and the grayscale version is **10.9059, 11.4739, 12.4951**.

A 20% lighter version of the original color is **33.7847, 41.4146, 71.8588**, and **5.7569, 7.0106, 15.8016** is the 20% darker color. If you saturate the color by 10%, you get **14.6373, 18.8400, 37.0478**, and if you desaturate by 10%, it is **15.2785, 19.7993, 37.1991**.

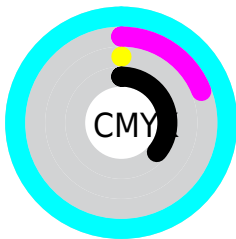
Distribution



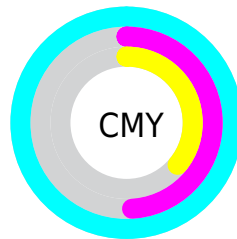
- Red (0%)
- Green (51%)
- Blue (64%)



- Red (0%)
- Yellow (28%)
- Blue (64%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (49%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6379, 18.8412, 37.0476 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 14.6379, 18.8412, 37.0476 by changing the saturation by 10% instead.

■ 14.6379, 18.8412,
37.0476

■ 14.6379, 18.8412,
37.0476

■ 214.5961,
245.5707, 348.6915

■ 8.6503, 11.5556,
24.9483

■ 33.7936, 41.4656,
71.8331

■ 4.5691, 6.4418,
15.8198

■ 47.6924, 57.5732,
95.3564

■ 2.0288, 3.1156,
9.2438

■ 64.9590, 77.3902,
123.5248

■ 0.6501, 1.1924,
4.8016

■ 85.9587, 101.3010,
156.7567

■ 0.0000, 0.0555,
2.0746

■ 111.0569,
129.6901, 195.4708

■ 0.0000, 0.0000,
0.6006

■ 140.6190,

■ 0.0000, 0.0000,

162.9418, 240.0856

0.0000

175.0102,
201.4405, 291.0197

■ 14.6379, 18.8412,
37.0476

■ 14.6379, 18.8412,
37.0476

■ 14.6373, 18.8400,
37.0478

■ 15.2785, 19.7993,
37.1991

■ 16.1053, 20.8716,
37.3626

■ 17.1930, 22.0974,
37.5418

■ 18.5737, 23.4931,
37.7384

■ 20.2745, 25.0729,
37.9537

■ 22.3195, 26.8495,
38.1889

■ 24.7304, 28.8342,
38.4449

■ 27.5271, 31.0372,
38.7227

■ 30.7279, 33.4683,
39.0233

Harmonies

Analogous

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



13.0616, 18.8412, 27.8554



14.6379, 18.8412, 37.0476



17.2322, 18.8412, 42.0068

Triad

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



14.6379, 18.8412, 37.0476



24.3553, 18.8412, 22.5382



15.6990, 18.8412, 8.6680

Complementary

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



14.6379, 18.8412, 37.0476



15.3914, 8.6631, 0.8618

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.



18.6012, 18.8412, 7.9858



14.6379, 18.8412, 37.0476



23.8256, 18.8412, 14.5925

Square

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



14.6379, 18.8412, 37.0476



23.0072, 18.8412, 32.2295



21.6321, 18.8412, 9.8193



13.6241, 18.8412, 12.0508

Rectangle

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



14.6379, 18.8412, 37.0476



19.2818, 18.8412, 41.4751



21.6321, 18.8412, 9.8193



16.6010, 18.8412, 8.1636

Sweetspot

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



14.6385, 18.8419, 37.0481



44.6185, 52.1224, 69.7651



13.1517, 25.9335, 5.5225



9.6116, 11.3731, 15.6262



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



14.6385, 18.8419, 37.0481



26.4294, 33.9155, 67.2095



7.7200, 5.0047, 34.7419



7.1604, 7.7798, 9.0273



11.5613, 14.9019, 29.1968



0.2709, 0.3691, 0.6228

Inverse Universe

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



18.9976, 9.3209, 22.2711



34.4148, 16.8908, 40.0456



20.5535, 18.9873, 2.5825



7.3059, 7.1788, 8.5974



14.9811, 7.3485, 17.6227



0.3289, 0.1601, 0.4446

Previews

White Background



This preview shows how the XYZ color 14.6379, 18.8412, 37.0476 looks on a white 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

Black Background



This preview shows how the XYZ color 14.6379, 18.8412, 37.0476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

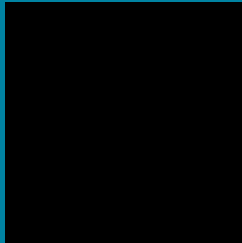
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.6379, 18.8412, 37.0476

Background



This preview shows how black text looks on a background with the XYZ color 14.6379, 18.8412, 37.0476.

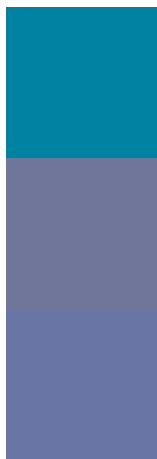


This preview shows how white text looks on a background with the XYZ color 14.6379, 18.8412,

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

14.6379, 18.8412, 37.0476

Protanopia

18.7837, 18.6363, 32.7441

Deuteranopia

19.0957, 18.6767, 38.1958



Tritanopia

13.4216, 18.7887, 29.3047

Trichromacy



Original Color

14.6379, 18.8412, 37.0476

Protanomaly

15.6822, 17.9058, 34.0821

Deuteranomaly

16.0985, 18.0395, 37.7555

Tritanomaly

13.8372, 18.7369, 32.1654

Monochromacy



Original Color

14.6379, 18.8412, 37.0476

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.5558, 13.0177, 19.4091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6379, 18.8412, 37.0476 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, 131, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 162)  
}
```

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, 131, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 162) }
```

Border

The CSS property to change the border of an element to XYZ 14.6379, 18.8412, 37.0476 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, 131, 162) }
```


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

```
.border{ border-color:rgb(0, 131, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6379, 18.8412, 37.0476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 162) }
```

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

```
.background{ background-color: rgb(0, 131,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor