

Converting Colors

XYZ(10.6153, 16.5897, 40.2205)

Have a look what the booklet for
XYZ(10.6153, 16.5897, 40.2205)
contains.

XYZ(15.1441, 18.8298, 40.3725)	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(15.1441, 18.8298,
40.3725)**

Conversions

Conversions Part 1

Format	Color
Hex	0082A9
RGB	0, 130, 169
RGB Percent	0%, 51%, 66%
CMY	0.9999, 0.4902, 0.3373
CMYK	1.00, 0.23, 0.00, 0.34
HSL	194°, 100%, 33%
HSV	194°, 100%, 66%
XYZ	15.1441, 18.8298, 40.3725
YIQ	95.5760, -89.9990, -15.4310

Conversions

Conversions Part 2

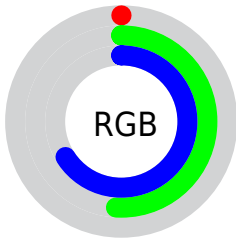
Format	Color
RYB	0, 73, 169
Decimal	33449
CIELab	50.49, -15.52, -29.05
CIELCh	50, 32.935, 241.886
Yxy	18.8298, 0.2037, 0.2533
Android (android.graphics.Color)	4278223529 (0xFF0082A9)
YUV	95.5760, 36.1980, -83.8202
Hunter-Lab	43.3933, -13.6425, -24.7872

Details

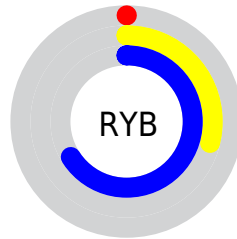
The XYZ color **15.1441, 18.8298, 40.3725** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.0892, 9.8885, 1.0090**, and the grayscale version is **10.9494, 11.5196, 12.5449**.

A 20% lighter version of the original color is **34.6045, 41.4225, 76.6925**, and **6.1533, 7.1692, 17.8891** is the 20% darker color. If you saturate the color by 10%, you get **15.1432, 18.8280, 40.3726**, and if you desaturate by 10%, it is **15.9031, 20.0063, 40.5600**.

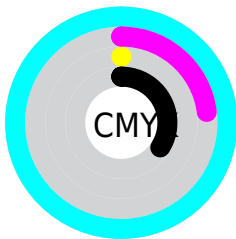
Distribution



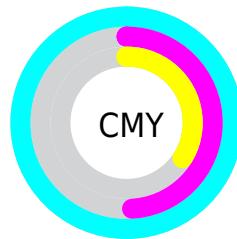
- Red (0%)
- Green (51%)
- Blue (66%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1441, 18.8298, 40.3725 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 15.1441, 18.8298, 40.3725 by changing the saturation by 10% instead.

■ 15.1441, 18.8298,
40.3725

■ 15.1441, 18.8298,
40.3725

■ 217.6079,
245.5075, 363.2898

■ 9.0076, 11.5474,
27.5131

■ 34.6754, 41.4463,
76.9737

■ 4.8033, 6.4363,
17.7231

■ 48.8008, 57.5492,
101.5526

■ 2.1659, 3.1121,
10.5840

■ 66.3199, 77.3609,
130.8750

■ 0.7247, 1.1906,
5.6772

■ 87.5980, 101.2660,
165.3596

■ 0.0000, 0.0540,
2.5842

■ 113.0005,
129.6489, 205.4248

■ 0.0000, 0.0000,
0.8843

■ 142.8928,

■ 0.0000, 0.0000,

162.8938, 251.4892

0.0000

177.6401,
201.3852, 303.9714

■ 15.1441, 18.8298,
40.3725

■ 15.1441, 18.8298,
40.3725

■ 15.1432, 18.8280,
40.3726

■ 15.9031, 20.0063,
40.5600

■ 16.8760, 21.3223,
40.7627

■ 18.1424, 22.8195,
40.9849

■ 19.7381, 24.5165,
41.2284

■ 21.6934, 26.4293,
41.4946

■ 24.0351, 28.5721,
41.7847

■ 26.7874, 30.9576,
42.1001

■ 29.9724, 33.5974,
42.4418

■ 33.6106, 36.5025,
42.8108

Harmonies

Analogous

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



13.1525, 18.8298, 31.3255



15.1441, 18.8298, 40.3725



18.1010, 18.8298, 43.7217

Triad

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



15.1441, 18.8298, 40.3725



24.7997, 18.8298, 19.9264



14.8316, 18.8298, 8.8603

Complementary

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



15.1441, 18.8298, 40.3725



17.0892, 9.8885, 1.0090

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.



17.6949, 18.8298, 7.4266



15.1441, 18.8298, 40.3725



23.6644, 18.8298, 12.5128

Square

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



15.1441, 18.8298, 40.3725



23.9099, 18.8298, 30.0082



20.9652, 18.8298, 8.5320



12.9878, 18.8298, 13.2516

Rectangle

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



15.1441, 18.8298, 40.3725



20.2972, 18.8298, 41.6607



20.9652, 18.8298, 8.5320



15.6942, 18.8298, 8.0877

Sweetspot

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



15.1448, 18.8304, 40.3730



47.6792, 55.1926, 75.3654



14.5169, 28.5078, 6.4586



9.9430, 11.6449, 16.3758



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.



15.1448, 18.8304, 40.3730



26.9547, 33.3882, 72.2490



8.2152, 4.9713, 38.0631



7.5986, 8.2341, 9.6072



11.3280, 14.1161, 30.1031



0.3106, 0.4135, 0.7441

Inverse Universe

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



20.3921, 10.0476, 21.9842



36.4354, 17.9593, 38.9262



23.2154, 22.1409, 3.0511



7.7667, 7.6366, 9.0888



15.2184, 7.4961, 16.4936



0.3879, 0.1894, 0.4943

Previews

White Background



This preview shows how the XYZ color 15.1441, 18.8298, 40.3725 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 15.1441, 18.8298, 40.3725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

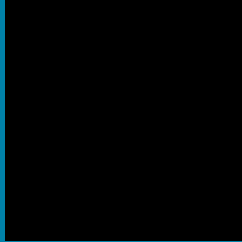
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.1441, 18.8298, 40.3725

Background



This preview shows how black text looks on a background with the XYZ color 15.1441, 18.8298, 40.3725.

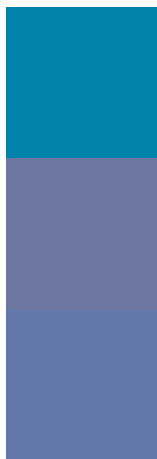


This preview shows how white text looks on a background with the XYZ color 15.1441, 18.8298,

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

15.1441, 18.8298, 40.3725

Protanopia

19.0079, 18.6831, 35.8621

Deuteranopia

19.2987, 18.8815, 41.6571



Tritanopia

13.3455, 18.7582, 28.9039

Trichromacy



Original Color

15.1441, 18.8298, 40.3725

Protanomaly

16.0246, 17.8286, 37.2470

Deuteranomaly

16.5480, 18.1962, 41.1681

Tritanomaly

13.9188, 18.7695, 32.5950

Monochromacy



Original Color

15.1441, 18.8298, 40.3725

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.8622, 13.1473, 20.7041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1441, 18.8298, 40.3725 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, 130, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 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, 130, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 169) }
```

Border

The CSS property to change the border of an element to XYZ 15.1441, 18.8298, 40.3725 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, 130, 169) }
```


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

```
.border{ border-color:rgb(0, 130, 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, 130, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1441, 18.8298, 40.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 169) }
```

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

```
.background{ background-color: rgb(0, 130,  
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](#).

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