

Converting Colors

XYZ(15.6130, 20.2499, 39.0420)

Have a look what the booklet for
XYZ(15.6130, 20.2499, 39.0420)
contains.

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Color

**XYZ(15.6871, 20.3615,
39.1798)**

Conversions

Conversions Part 1

Format	Color
Hex	0088A6
RGB	0, 136, 166
RGB Percent	0%, 53%, 65%
CMY	0.9999, 0.4667, 0.3490
CMYK	1.00, 0.18, 0.00, 0.35
HSL	191°, 100%, 33%
HSV	191°, 100%, 65%
XYZ	15.6871, 20.3615, 39.1798
YIQ	98.7560, -90.6860, -19.5020

Conversions

Conversions Part 2

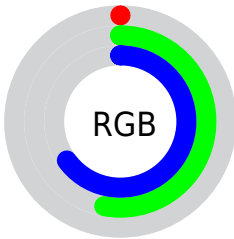
Format	Color
RYB	0, 75, 166
Decimal	34982
CIELab	52.24, -19.89, -24.59
CIELCh	52, 31.628, 231.039
Yxy	20.3615, 0.2085, 0.2707
Android (android.graphics.Color)	4278225062 (0xFF0088A6)
YUV	98.7560, 33.1513, -86.6090
Hunter-Lab	45.1237, -16.9116, -19.8934

Details

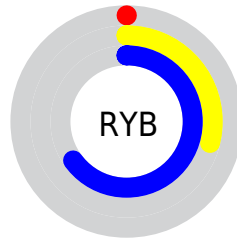
The XYZ color **15.6871, 20.3615, 39.1798** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.1912, 9.0371, 0.8918**, and the grayscale version is **11.7365, 12.3477, 13.4466**.

A 20% lighter version of the original color is **35.4652, 43.7893, 74.9896**, and **6.3651, 7.8705, 17.1033** is the 20% darker color. If you saturate the color by 10%, you get **15.6867, 20.3606, 39.1800**, and if you desaturate by 10%, it is **16.3405, 21.3349, 39.3336**.

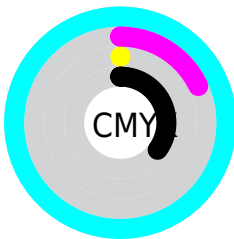
Distribution



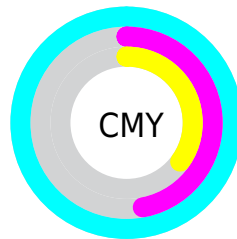
- Red (0%)
- Green (53%)
- Blue (65%)



- Red (0%)
- Yellow (29%)
- Blue (65%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (47%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6871, 20.3615, 39.1798 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 15.6871, 20.3615, 39.1798 by changing the saturation by 10% instead.

■ 15.6871, 20.3615,
39.1798

■ 15.6871, 20.3615,
39.1798

■ 220.7951,
253.8655, 358.1031

■ 9.3924, 12.6581,
26.5907

■ 35.6160, 44.0224,
75.1363

■ 5.0572, 7.1935,
17.0364

■ 49.9809, 60.7488,
99.3408

■ 2.3160, 3.5834,
10.0982

■ 67.7667, 81.2515,
128.2541

■ 0.8028, 1.4434,
5.3577

■ 89.3386, 105.9151,
162.2949

■ 0.0000, 0.2484,
2.3962

■ 115.0621,
135.1239, 201.8817

■ 0.0000, 0.0000,
0.7844

■ 145.3024,

■ 0.0000, 0.0000,

169.2623, 247.4329

0.0000

180.4249,
208.7147, 299.3672

■ 15.6871, 20.3615,
39.1798

■ 15.6871, 20.3615,
39.1798

■ 15.6867, 20.3606,
39.1800

■ 16.3405, 21.3349,
39.3336

■ 17.1910, 22.4271,
39.4996

■ 18.3159, 23.6787,
39.6819

■ 19.7493, 25.1073,
39.8821

■ 21.5201, 26.7280,
40.1016

■ 23.6540, 28.5541,
40.3416

■ 26.1738, 30.5975,
40.6032

■ 29.1007, 32.8693,
40.8875

■ 32.4542, 35.3796,
41.1953

Harmonies

Analogous

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



14.0917, 20.3615, 29.2277



15.6871, 20.3615, 39.1798



18.3968, 20.3615, 44.9343

Triad

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



15.6871, 20.3615, 39.1798



26.1975, 20.3615, 25.0733



17.1973, 20.3615, 9.3200

Complementary

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



15.6871, 20.3615, 39.1798



16.1912, 9.0371, 0.8918

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.



20.3418, 20.3615, 8.7843



15.6871, 20.3615, 39.1798



25.7837, 20.3615, 16.3514

Square

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



15.6871, 20.3615, 39.1798



24.6241, 20.3615, 35.4191



23.5497, 20.3615, 10.9718



14.8935, 20.3615, 12.7215

Rectangle

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



15.6871, 20.3615, 39.1798



20.5730, 20.3615, 44.7543



23.5497, 20.3615, 10.9718



18.1822, 20.3615, 8.8452

Sweetspot

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



15.6878, 20.3622, 39.1803



47.2199, 55.3068, 73.6618



13.8427, 27.3553, 5.6298



10.1361, 12.0311, 16.4401



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.



15.6878, 20.3622, 39.1803



28.3274, 36.6678, 71.0599



8.2664, 5.5194, 36.7065



7.6305, 8.2980, 9.6178



12.1951, 15.8504, 30.3922



0.3259, 0.4440, 0.7492

Inverse Universe

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



20.1705, 9.8853, 24.1382



36.5341, 17.9107, 43.4265



21.3755, 19.4056, 2.6199



7.7829, 7.6430, 9.1738



15.6561, 7.6712, 18.7985



0.3956, 0.1925, 0.5349

Previews

White Background



This preview shows how the XYZ color 15.6871, 20.3615, 39.1798 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 15.6871, 20.3615, 39.1798 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 15.6871, 20.3615, 39.1798

Background



This preview shows how black text looks on a background with the XYZ color 15.6871, 20.3615, 39.1798.

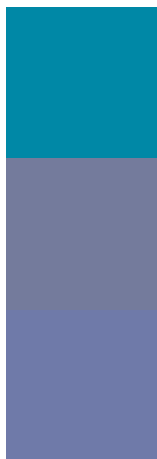


This preview shows how white text looks on a background with the XYZ color 15.6871, 20.3615,

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

15.6871, 20.3615, 39.1798

Protanopia

20.2862, 20.2792, 34.2976

Deuteranopia

20.6765, 20.1631, 40.3382



Tritanopia

14.5133, 20.3469, 31.5962

Trichromacy



Original Color

15.6871, 20.3615, 39.1798

Protanomaly

16.8884, 19.4323, 36.1184

Deuteranomaly

17.2558, 19.3455, 39.8704

Tritanomaly

14.8621, 20.2579, 34.1372

Monochromacy



Original Color

15.6871, 20.3615, 39.1798

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.4192, 14.0752, 20.8538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6871, 20.3615, 39.1798 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, 136, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 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, 136, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.6871, 20.3615, 39.1798 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, 136, 166) }
```


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

```
.border{ border-color:rgb(0, 136, 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, 136, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6871, 20.3615, 39.1798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 166) }
```

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

```
.background{ background-color: rgb(0, 136,  
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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