

Converting Colors

XYZ(15.1606, 19.3451, 38.8912)

Have a look what the booklet for
XYZ(15.1606, 19.3451, 38.8912)
contains.

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Color

**XYZ(15.1342, 19.2557,
38.9955)**

Conversions

Conversions Part 1

Format	Color
Hex	0084A6
RGB	0, 132, 166
RGB Percent	0%, 52%, 65%
CMY	0.9999, 0.4823, 0.3490
CMYK	1.00, 0.20, 0.00, 0.35
HSL	192°, 100%, 33%
HSV	192°, 100%, 65%
XYZ	15.1342, 19.2557, 38.9955
YIQ	96.4080, -89.5860, -17.4100

Conversions

Conversions Part 2

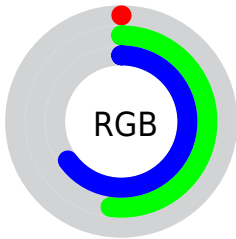
Format	Color
RYB	0, 74, 166
Decimal	33958
CIELab	50.99, -17.72, -26.54
CIELCh	51, 31.913, 236.264
Yxy	19.2557, 0.2062, 0.2624
Android (android.graphics.Color)	4278224038 (0xFF0084A6)
YUV	96.4080, 34.3089, -84.5498
Hunter-Lab	43.8813, -15.2296, -21.9716

Details

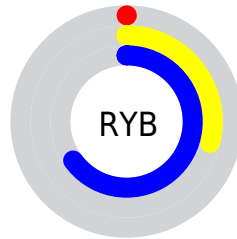
The XYZ color **15.1342, 19.2557, 38.9955** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.2991, 9.2528, 0.9277**, and the grayscale version is **11.1544, 11.7353, 12.7797**.

A 20% lighter version of the original color is **34.6166, 42.0920, 74.7067**, and **6.0546, 7.2495, 16.9998** is the 20% darker color. If you saturate the color by 10%, you get **15.1337, 19.2546, 38.9957**, and if you desaturate by 10%, it is **15.8278, 20.3094, 39.1627**.

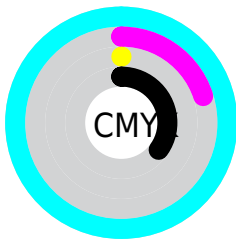
Distribution



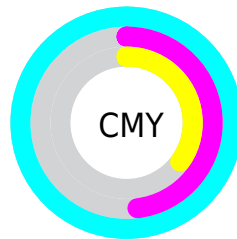
- Red (0%)
- Green (52%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (48%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1342, 19.2557, 38.9955 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 15.1342, 19.2557, 38.9955 by changing the saturation by 10% instead.

■ 15.1342, 19.2557,
38.9955

■ 15.1342, 19.2557,
38.9955

217.5494,
247.8568, 357.2968

■ 9.0006, 11.8552,
26.4484

■ 34.6582, 42.1657,
74.8517

■ 4.7987, 6.6451,
16.9306

■ 48.7792, 58.4440,
98.9979

■ 2.1632, 3.2412,
10.0236

■ 66.2934, 78.4504,
127.8476

■ 0.7232, 1.2589,
5.3088

■ 87.5661, 102.5692,
161.8193

■ 0.0000, 0.1090,
2.3677

■ 112.9627,
131.1848, 201.3315

■ 0.0000, 0.0000,
0.7688

■ 142.8486,

■ 0.0000, 0.0000,

164.6817, 246.8028

0.0000

177.5890,
203.4442, 298.6517

■ 15.1342, 19.2557,
38.9955

■ 15.1342, 19.2557,
38.9955

■ 15.1337, 19.2546,
38.9957

■ 15.8278, 20.3094,
39.1627

■ 16.7216, 21.4885,
39.3432

■ 17.8933, 22.8335,
39.5411

■ 19.3767, 24.3622,
39.7579

■ 21.2010, 26.0898,
39.9952

■ 23.3917, 28.0295,
40.2542

■ 25.9718, 30.1936,
40.5359

■ 28.9625, 32.5930,
40.8414

■ 32.3833, 35.2380,
41.1717

Harmonies

Analogous

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



13.3813, 19.2557, 29.6358



15.1342, 19.2557, 38.9955



17.9093, 19.2557, 43.5315

Triad

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



15.1342, 19.2557, 38.9955



25.0503, 19.2557, 22.1193



15.7457, 19.2557, 8.9232

Complementary

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



15.1342, 19.2557, 38.9955



16.2991, 9.2528, 0.9277

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.



18.7003, 19.2557, 7.9654



15.1342, 19.2557, 38.9955



24.3015, 19.2557, 14.1774

Square

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



15.1342, 19.2557, 38.9955



23.8268, 19.2557, 32.1759



21.8835, 19.2557, 9.5795



13.7049, 19.2557, 12.7191

Rectangle

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



15.1342, 19.2557, 38.9955



20.0547, 19.2557, 42.4685



21.8835, 19.2557, 9.5795



16.6544, 19.2557, 8.3159

Sweetspot

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



15.1349, 19.2564, 38.9960



46.8469, 54.5608, 73.5375



13.9144, 27.3840, 6.0076



10.0426, 11.8440, 16.4090



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.



15.1349, 19.2564, 38.9960



27.3109, 34.6348, 70.7210



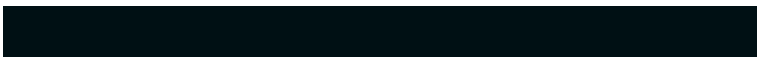
8.0163, 5.0193, 36.6231



7.6151, 8.2672, 9.6127



11.7691, 14.9985, 30.2502



0.3184, 0.4291, 0.7467

Inverse Universe

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



19.8914, 9.7737, 22.6685



36.0210, 17.7054, 40.7246



21.9958, 20.6462, 2.8266



7.7751, 7.6399, 9.1328



15.4411, 7.5852, 17.6663



0.3919, 0.1910, 0.5151

Previews

White Background



This preview shows how the XYZ color 15.1342, 19.2557, 38.9955 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 15.1342, 19.2557, 38.9955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

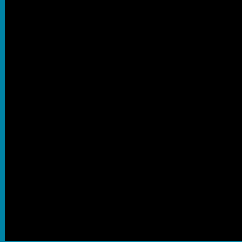
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.1342, 19.2557, 38.9955

Background



This preview shows how black text looks on a background with the XYZ color 15.1342, 19.2557, 38.9955.

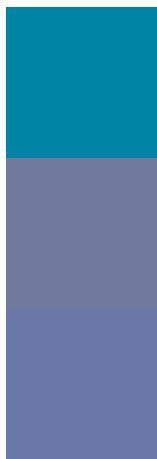


This preview shows how white text looks on a background with the XYZ color 15.1342, 19.2557,

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

15.1342, 19.2557, 38.9955

Protanopia

19.3578, 19.2468, 34.5930

Deuteranopia

19.7036, 19.3008, 40.2230

Trichromacy



Original Color

15.1342, 19.2557, 38.9955

Protanomaly

16.1513, 18.2930, 35.9373

Deuteranomaly

16.5903, 18.4357, 39.7298

Monochromacy



Original Color

15.1342, 19.2557, 38.9955

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.8443, 13.3099, 20.0867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1342, 19.2557, 38.9955 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, 132, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 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, 132, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.1342, 19.2557, 38.9955 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, 132, 166) }
```

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

```
.border{ border-color:rgb(0, 132, 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, 132, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
166) }
```


Background

The CSS property to change the background color of an element to XYZ 15.1342, 19.2557, 38.9955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 166) }
```

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

```
.background{ background-color: rgb(0, 132,  
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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