

Converting Colors

XYZ(7.5266, 15.6494, 37.6574)

Have a look what the booklet for
XYZ(7.5266, 15.6494, 37.6574)
contains.

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Color

**XYZ(15.0884, 19.4554,
38.0820)**

Conversions

Conversions Part 1

Format	Color
Hex	0085A4
RGB	0, 133, 164
RGB Percent	0%, 52%, 64%
CMY	0.9999, 0.4784, 0.3569
CMYK	1.00, 0.19, 0.00, 0.36
HSL	191°, 100%, 32%
HSV	191°, 100%, 64%
XYZ	15.0884, 19.4554, 38.0820
YIQ	96.7670, -89.2190, -18.5550

Conversions

Conversions Part 2

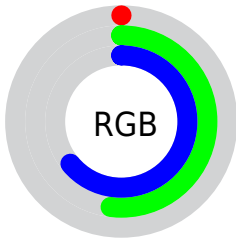
Format	Color
RYB	0, 73, 164
Decimal	34212
CIELab	51.22, -18.99, -25.02
CIELCh	51, 31.414, 232.802
Yxy	19.4554, 0.2078, 0.2679
Android (android.graphics.Color)	4278224292 (0xFF0085A4)
YUV	96.7670, 33.1459, -84.8647
Hunter-Lab	44.1083, -16.1288, -20.3137

Details

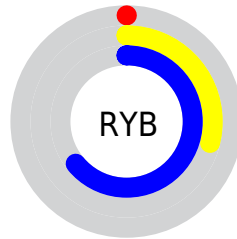
The XYZ color **15.0884, 19.4554, 38.0820** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.8010, 8.8742, 0.8810**, and the grayscale version is **11.2447, 11.8303, 12.8832**.

A 20% lighter version of the original color is **34.4649, 42.3561, 73.3769**, and **6.0179, 7.3564, 16.4320** is the 20% darker color. If you saturate the color by 10%, you get **15.0879, 19.4543, 38.0822**, and if you desaturate by 10%, it is **15.7406, 20.4315, 38.2364**.

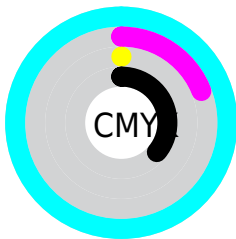
Distribution



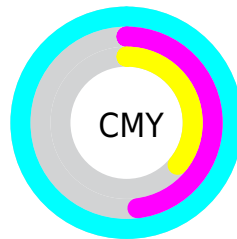
- Red (0%)
- Green (52%)
- Blue (64%)



- Red (0%)
- Yellow (29%)
- Blue (64%)



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



- Cyan (100%)
- Magenta (48%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0884, 19.4554, 38.0820 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 15.0884, 19.4554, 38.0820 by changing the saturation by 10% instead.

■ 15.0884, 19.4554,
38.0820

■ 15.0884, 19.4554,
38.0820

■ 217.2784,
248.9514, 353.2803

■ 8.9682, 11.9998,
25.7440

■ 34.5786, 42.5022,
73.4386

■ 4.7774, 6.7435,
16.4082

■ 48.6792, 58.8622,
97.2943

■ 2.1506, 3.3022,
9.6560

■ 66.1707, 78.9591,
125.8264

■ 0.7165, 1.2915,
5.0689

■ 87.4184, 103.1774,
159.4533

■ 0.0000, 0.1346,
2.2283

■ 112.7877,
131.9013, 198.5936

■ 0.0000, 0.0000,
0.6906

■ 142.6439,

■ 0.0000, 0.0000,

165.5154, 243.6658

0.0000

177.3523,
204.4040, 295.0886

■ 15.0884, 19.4554,
38.0820

■ 15.0884, 19.4554,
38.0820

■ 15.0879, 19.4543,
38.0822

■ 15.7406, 20.4315,
38.2364

■ 16.5847, 21.5249,
38.4030

■ 17.6969, 22.7754,
38.5857

■ 19.1101, 24.2002,
38.7863

■ 20.8525, 25.8139,
39.0059

■ 22.9488, 27.6295,
39.2459

■ 25.4214, 29.6585,
39.5072

■ 28.2907, 31.9117,
39.7909

■ 31.5757, 34.3990,
40.0978

Harmonies

Analogous

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



13.4825, 19.4554, 28.5859



15.0884, 19.4554, 38.0820



17.7483, 19.4554, 43.2833

Triad

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



15.0884, 19.4554, 38.0820



25.1245, 19.4554, 23.4162



16.2572, 19.4554, 8.9409

Complementary

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



15.0884, 19.4554, 38.0820



15.8010, 8.8742, 0.8810

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.



19.2557, 19.4554, 8.2769



15.0884, 19.4554, 38.0820



24.6095, 19.4554, 15.1841

Square

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



15.0884, 19.4554, 38.0820



23.7089, 19.4554, 33.3985



22.3719, 19.4554, 10.2111



14.1023, 19.4554, 12.3824

Rectangle

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



15.0884, 19.4554, 38.0820



19.8569, 19.4554, 42.8140



22.3719, 19.4554, 10.2111



17.1907, 19.4554, 8.4342

Sweetspot

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



15.0891, 19.4561, 38.0825



45.8624, 53.6088, 71.6827



13.5115, 26.6456, 5.6655



9.6202, 11.3903, 15.6290



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.



15.0891, 19.4561, 38.0825



27.2422, 35.0233, 69.0767



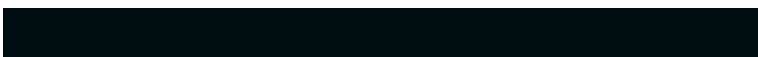
7.9273, 5.1325, 35.6952



7.1618, 7.7826, 9.0278



11.6011, 14.9816, 29.2101



0.2715, 0.3702, 0.6230

Inverse Universe

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



19.5441, 9.5868, 23.0112



35.4012, 17.3707, 41.3806



21.1129, 19.4980, 2.6516



7.3066, 7.1791, 8.6011



15.0012, 7.3565, 17.7287



0.3292, 0.1602, 0.4461

Previews

White Background



This preview shows how the XYZ color 15.0884, 19.4554, 38.0820 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 15.0884, 19.4554, 38.0820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

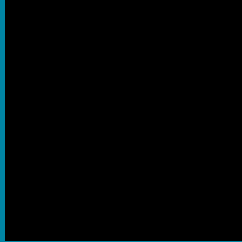
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0884, 19.4554, 38.0820

Background



This preview shows how black text looks on a background with the XYZ color 15.0884, 19.4554, 38.0820.

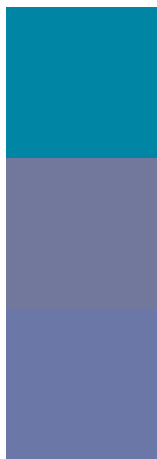


This preview shows how white text looks on a background with the XYZ color 15.0884, 19.4554,

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

15.0884, 19.4554, 38.0820

Protanopia

19.4429, 19.3102, 33.7128

Deuteranopia

19.7549, 19.3488, 39.2527



Tritanopia

13.8523, 19.4033, 30.2092

Trichromacy



Original Color

15.0884, 19.4554, 38.0820

Protanomaly

16.1777, 18.5136, 35.0686

Deuteranomaly

16.6004, 18.6493, 38.8011

Tritanomaly

14.2749, 19.3501, 33.1196

Monochromacy



Original Color

15.0884, 19.4554, 38.0820

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0137, 13.5565, 20.1253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0884, 19.4554, 38.0820 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, 133, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 164)  
}
```

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, 133, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 164) }
```

Border

The CSS property to change the border of an element to XYZ 15.0884, 19.4554, 38.0820 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, 133, 164) }
```


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

```
.border{ border-color:rgb(0, 133, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0884, 19.4554, 38.0820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 164) }
```

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

```
.background{ background-color: rgb(0, 133,  
164) }
```

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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