

Converting Colors

XYZ(15.5070, 19.4048, 40.9584)

Have a look what the booklet for
XYZ(15.5070, 19.4048, 40.9584)
contains.

XYZ(15.5070, 19.4048, 40.9584)	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(15.5070, 19.4048,
40.9584)**

Conversions

Conversions Part 1

Format	Color
Hex	0084AA
RGB	0, 132, 170
RGB Percent	0%, 52%, 67%
CMY	0.9999, 0.4823, 0.3333
CMYK	1.00, 0.22, 0.00, 0.33
HSL	193°, 100%, 33%
HSV	193°, 100%, 67%
XYZ	15.5070, 19.4048, 40.9584
YIQ	96.8640, -90.8700, -16.1660

Conversions

Conversions Part 2

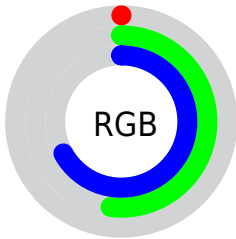
Format	Color
RYB	0, 74, 170
Decimal	33962
CIELab	51.16, -16.26, -28.59
CIELCh	51, 32.887, 240.368
Yxy	19.4048, 0.2044, 0.2558
Android (android.graphics.Color)	4278224042 (0xFF0084AA)
YUV	96.8640, 36.0560, -84.9497
Hunter-Lab	44.0509, -14.2526, -24.2921

Details

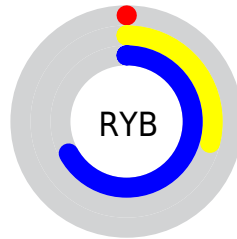
The XYZ color **15.5070, 19.4048, 40.9584** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.2721, 9.9346, 1.0082**, and the grayscale version is **11.2621, 11.8486, 12.9031**.

A 20% lighter version of the original color is **35.2540, 42.3583, 77.5521**, and **6.2873, 7.3426, 18.2254** is the 20% darker color. If you saturate the color by 10%, you get **15.5062, 19.4031, 40.9585**, and if you desaturate by 10%, it is **16.2639, 20.5745, 41.1447**.

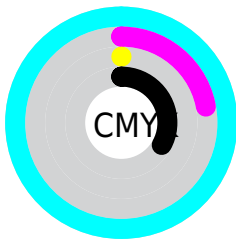
Distribution



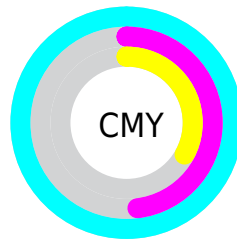
- Red (0%)
- Green (52%)
- Blue (67%)



- Red (0%)
- Yellow (29%)
- Blue (67%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5070, 19.4048, 40.9584 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 15.5070, 19.4048, 40.9584 by changing the saturation by 10% instead.

■ 15.5070, 19.4048,
40.9584

■ 15.5070, 19.4048,
40.9584

■ 219.7428,
248.6745, 365.8182

■ 9.2646, 11.9631,
27.9671

■ 35.3046, 42.4170,
77.8737

■ 4.9727, 6.7186,
18.0621

■ 49.5905, 58.7563,
102.6349

■ 2.2658, 3.2867,
10.8246

■ 67.2883, 78.8304,
132.1563

■ 0.7771, 1.2832,
5.8364

■ 88.7633, 103.0234,
166.8567

■ 0.0000, 0.1281,
2.6787

■ 114.3809,
131.7200, 207.1546

■ 0.0000, 0.0000,
0.9327

■ 144.5065,

■ 0.0000, 0.0000,

165.3044, 253.4684

0.0000

179.5053,
204.1611, 306.2168

■ 15.5070, 19.4048,
40.9584

■ 15.5070, 19.4048,
40.9584

■ 15.5062, 19.4031,
40.9585

■ 16.2639, 20.5745,
41.1447

■ 17.2368, 21.8833,
41.3460

■ 18.5060, 23.3734,
41.5667

■ 20.1077, 25.0636,
41.8086

■ 22.0727, 26.9701,
42.0730

■ 24.4283, 29.1073,
42.3614

■ 27.1990, 31.4879,
42.6748

■ 30.4071, 34.1239,
43.0145

■ 34.0735, 37.0262,
43.3815

Harmonies

Analogous

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



13.5343, 19.4048, 31.5996



15.5070, 19.4048, 40.9584



18.4841, 19.4048, 44.7283

Triad

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



15.5070, 19.4048, 40.9584



25.4709, 19.4048, 21.0130



15.4447, 19.4048, 9.0911

Complementary

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



15.5070, 19.4048, 40.9584



17.2721, 9.9346, 1.0082

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.



18.4033, 19.4048, 7.7549



15.5070, 19.4048, 40.9584



24.4163, 19.4048, 13.2713

Square

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



15.5070, 19.4048, 40.9584



24.4651, 19.4048, 31.3380



21.7295, 19.4048, 9.0253



13.5015, 19.4048, 13.4189

Rectangle

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



15.5070, 19.4048, 40.9584



20.7193, 19.4048, 42.8986



21.7295, 19.4048, 9.0253



16.3411, 19.4048, 8.3462

Sweetspot

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



15.5077, 19.4055, 40.9589



49.0446, 56.8749, 77.3949



14.7071, 28.8827, 6.5386



10.4611, 12.2789, 17.2064



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.5077, 19.4055, 40.9589



27.9650, 34.8665, 74.2579



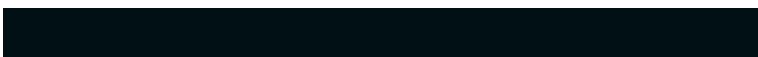
8.3210, 5.0322, 38.5633



7.6032, 8.2433, 9.6087



11.4492, 14.3586, 30.1435



0.3128, 0.4178, 0.7448

Inverse Universe

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



20.7431, 10.2129, 22.7083



37.5488, 18.4941, 40.7469



23.5183, 22.4270, 3.0903



7.7691, 7.6375, 9.1011



15.2796, 7.5206, 16.8159



0.3890, 0.1899, 0.5001

Previews

White Background



This preview shows how the XYZ color 15.5070, 19.4048, 40.9584 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 15.5070, 19.4048, 40.9584 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 15.5070, 19.4048, 40.9584

Background



This preview shows how black text looks on a background with the XYZ color 15.5070, 19.4048, 40.9584.

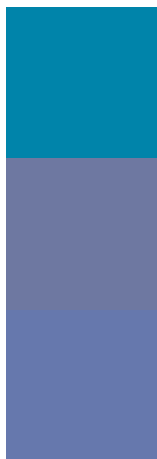


This preview shows how white text looks on a background with the XYZ color 15.5070, 19.4048,

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

15.5070, 19.4048, 40.9584

Protanopia

19.5799, 19.3211, 36.4156

Deuteranopia

19.7388, 19.2749, 42.2152



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

15.5070, 19.4048, 40.9584

Protanomaly

16.4343, 18.3977, 37.8069

Deuteranomaly

16.8340, 18.5177, 41.7167

Tritanomaly

14.3578, 19.3833, 33.5565

Monochromacy



Original Color

15.5070, 19.4048, 40.9584

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2006, 13.6312, 21.1095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5070, 19.4048, 40.9584 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 170) }
```

Border

The CSS property to change the border of an element to XYZ 15.5070, 19.4048, 40.9584 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, 170) }
```


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

```
.border{ border-color:rgb(0, 132, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5070, 19.4048, 40.9584 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, 170) }
```

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

```
.background{ background-color: rgb(0, 132,  
170) }
```

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