

Converting Colors

XYZ(16.9064, 19.4866, 42.9146)

Have a look what the booklet for
XYZ(16.9064, 19.4866, 42.9146)
contains.

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Color

**XYZ(16.9064, 19.4866,
42.9146)**

Conversions

Conversions Part 1

Format	Color
Hex	3481AE
RGB	52, 129, 174
RGB Percent	20%, 51%, 68%
CMY	0.7961, 0.4941, 0.3176
CMYK	0.70, 0.26, 0.00, 0.32
HSL	202°, 54%, 44%
HSV	202°, 70%, 68%
XYZ	16.9064, 19.4866, 42.9146
YIQ	111.1070, -60.3370, -2.3290

Conversions

Conversions Part 2

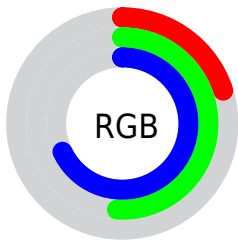
Format	Color
RYB	52, 99, 174
Decimal	3441070
CIELab	51.25, -8.68, -30.69
CIELCh	51, 31.891, 254.200
Yxy	19.4866, 0.2132, 0.2457
Android (android.graphics.Color)	4281631150 (0xFF3481AE)
YUV	111.1070, 31.0062, -51.8368
Hunter-Lab	44.1436, -8.8883, -26.7387

Details

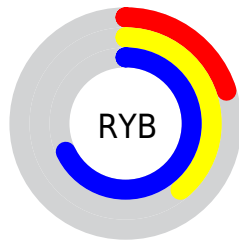
The XYZ color **16.9064, 19.4866, 42.9146** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.3509, 17.7972, 5.5068**, and the grayscale version is **15.0667, 15.8514, 17.2621**.

A 20% lighter version of the original color is **37.8209, 42.6798, 81.1076**, and **6.3199, 7.1178, 19.1299** is the 20% darker color. If you saturate the color by 10%, you get **15.3513, 17.4693, 42.6076**, and if you desaturate by 10%, it is **18.8460, 21.7816, 43.2557**.

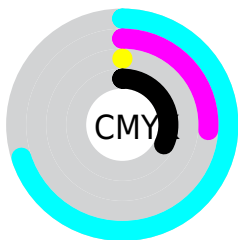
Distribution



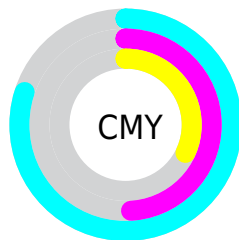
- Red (20%)
- Green (51%)
- Blue (68%)



- Red (20%)
- Yellow (39%)
- Blue (68%)



- Cyan (70%)
- Magenta (26%)
- Yellow (0%)
- Black (32%)



- Cyan (80%)
- Magenta (49%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9064, 19.4866, 42.9146 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 16.9064, 19.4866, 42.9146 by changing the saturation by 10% instead.

■ 16.9064, 19.4866,
42.9146

■ 16.9064, 19.4866,
42.9146

227.7992,
249.1221, 374.1713

■ 10.2627, 12.0224,
29.4872

■ 37.7097, 42.5547,
80.8669

■ 5.6371, 6.7589,
19.2010

■ 52.5999, 58.9275,
106.2290

■ 2.6642, 3.3118,
11.6373

■ 70.9697, 79.0385,
136.4063

■ 0.9788, 1.2966,
6.3777

■ 93.1843, 103.2722,
171.8175

■ 0.0000, 0.1386,
3.0036

■ 119.6093,
132.0131, 212.8810

■ 0.0000, 0.0000,
1.0965

150.6098,

■ 0.0000, 0.0000,

165.6454, 260.0155

0.0000

186.5513,
204.5536, 313.6394

■ 16.9064, 19.4866,
42.9146

■ 16.9064, 19.4866,
42.9146

■ 15.3513, 17.4693,
42.6076

■ 18.8460, 21.7816,
43.2557

■ 14.1394, 15.7061,
42.3311

■ 21.2015, 24.3709,
43.6314

■ 13.1964, 14.1687,
42.0841

■ 24.0033, 27.2719,
44.0437

■ 27.2779, 30.4996,
44.4941

■ 31.0499, 34.0679,
44.9840

■ 35.3419, 37.9898,
45.5148

■ 40.1752, 42.2775,
46.0877

■ 45.5697, 46.9424,
46.7038

■ 51.5444, 51.9956,
47.3642

Harmonies

Analogous

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



14.4756, 19.4866, 35.9129



16.9064, 19.4866, 42.9146



20.0619, 19.4866, 43.1172

Triad

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



16.9064, 19.4866, 42.9146



25.1021, 19.4866, 17.2061



14.5782, 19.4866, 10.9788

Complementary

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



16.9064, 19.4866, 42.9146



22.3509, 17.7972, 5.5068

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.



17.0619, 19.4866, 8.3687



16.9064, 19.4866, 42.9146



23.2586, 19.4866, 11.2030

Square

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



16.9064, 19.4866, 42.9146



25.0481, 19.4866, 26.3501



20.2362, 19.4866, 8.4369



13.2401, 19.4866, 16.7990

Rectangle

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



16.9064, 19.4866, 42.9146



22.1743, 19.4866, 39.2408



20.2362, 19.4866, 8.4369



15.2935, 19.4866, 9.7820

Sweetspot

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



16.9071, 19.4873, 42.9151



55.4073, 60.9445, 81.4801



18.6982, 31.8608, 16.4096



11.8909, 13.1480, 18.0554



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.9071, 19.4873, 42.9151



26.5913, 29.9132, 77.0092



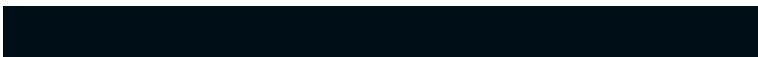
11.1403, 7.9536, 40.9928



7.9842, 8.5678, 10.1856



9.6295, 10.3928, 30.5430



0.3178, 0.3889, 0.8663

Inverse Universe

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



22.6466, 13.0404, 22.0930



38.3575, 20.0252, 33.5769



30.2574, 33.6101, 8.1423



8.2098, 8.0972, 9.4158



14.7242, 7.3522, 11.4587



0.4348, 0.2146, 0.4514

Previews

White Background



This preview shows how the XYZ color 16.9064, 19.4866, 42.9146 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 16.9064, 19.4866, 42.9146 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 16.9064, 19.4866, 42.9146

Background



This preview shows how black text looks on a background with the XYZ color 16.9064, 19.4866, 42.9146.

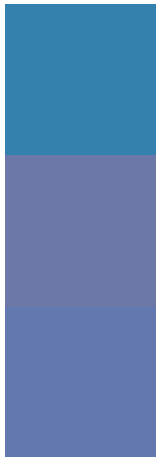


This preview shows how white text looks on a background with the XYZ color 16.9064, 19.4866,

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

16.9064, 19.4866, 42.9146

Protanopia

19.8759, 19.4111, 39.2584

Deuteranopia

19.8085, 19.2769, 43.7511



Tritanopia

14.2010, 19.3858, 29.7814

Trichromacy



Original Color

16.9064, 19.4866, 42.9146

Protanomaly

18.3632, 19.1429, 40.7573

Deuteranomaly

18.3881, 19.1001, 43.2750

Tritanomaly

15.0887, 19.3342, 34.3891

Monochromacy



Original Color

16.9064, 19.4866, 42.9146

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.9980, 16.8518, 25.0165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9064, 19.4866, 42.9146 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(52, 129, 174)` looks like.

```
.text, #text, p{  
    color:rgb(52, 129, 174)  
}
```

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(52, 129, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 129, 174) }
```

Border

The CSS property to change the border of an element to XYZ 16.9064, 19.4866, 42.9146 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(52, 129, 174) }
```


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

```
.border{ border-color:rgb(52, 129, 174) }
```

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

Here you see how a box with a 4 pixel rgb(52, 129, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 129, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 129, 174);  
box-shadow:4px 4px 4px 4px rgb(52, 129,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9064, 19.4866, 42.9146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 129, 174) }
```

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

```
.background{ background-color: rgb(52, 129,  
174) }
```

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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