

Converting Colors

XYZ(16.5272, 19.9698, 43.6117)

Have a look what the booklet for
XYZ(16.5272, 19.9698, 43.6117)
contains.

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Color

**XYZ(16.4411, 19.8307,
43.5186)**

Conversions

Conversions Part 1

Format	Color
Hex	1B84AF
RGB	27, 132, 175
RGB Percent	11%, 52%, 69%
CMY	0.8941, 0.4823, 0.3137
CMYK	0.85, 0.25, 0.00, 0.31
HSL	197°, 73%, 40%
HSV	197°, 85%, 69%
XYZ	16.4411, 19.8307, 43.5186
YIQ	105.5070, -76.3830, -8.8870

Conversions

Conversions Part 2

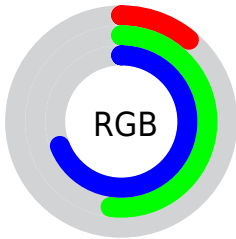
Format	Color
R_{YB}	27, 88, 175
Decimal	1803439
CIE _{Lab}	51.65, -12.98, -30.69
CIE _{LCh}	52, 33.326, 247.071
Yxy	19.8307, 0.2061, 0.2485
Android (android.graphics.Color)	4279993519 (0xFF1B84AF)
YUV	105.5070, 34.2600, -68.8506
Hunter-Lab	44.5317, -12.0282, -26.7690

Details

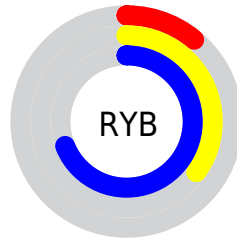
The XYZ color **16.4411, 19.8307, 43.5186** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.0683, 13.5752, 2.6003**, and the grayscale version is **13.4909, 14.1934, 15.4567**.

A 20% lighter version of the original color is **36.9184, 43.1201, 81.9785**, and **6.6061, 7.5917, 19.5295** is the 20% darker color. If you saturate the color by 10%, you get **15.4357, 18.3139, 43.2792**, and if you desaturate by 10%, it is **17.7568, 21.5580, 43.7831**.

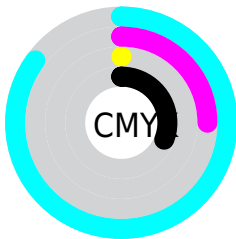
Distribution



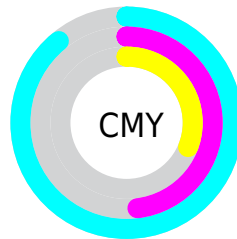
- Red (11%)
- Green (52%)
- Blue (69%)



- Red (11%)
- Yellow (35%)
- Blue (69%)



- Cyan (85%)
- Magenta (25%)
- Yellow (0%)
- Black (31%)



- Cyan (89%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4411, 19.8307, 43.5186 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 16.4411, 19.8307, 43.5186 by changing the saturation by 10% instead.

■ 16.4411, 19.8307,
43.5186

■ 16.4411, 19.8307,
43.5186

■ 225.1503,
250.9971, 376.7239

■ 9.9296, 12.2720,
29.9578

■ 36.9136, 43.1332,
81.7876

■ 5.4142, 6.9292,
19.5548

■ 51.6053, 59.6457,
107.3329

■ 2.5295, 3.4179,
11.8910

■ 69.7546, 79.9118,
137.7101

■ 0.9102, 1.3536,
6.5478

■ 91.7266, 104.3156,
173.3378

■ 0.0000, 0.1821,
3.1069

■ 117.8869,
133.2417, 214.6345

■ 0.0000, 0.0000,
1.1495

■ 148.6006,

■ 0.0000, 0.0000,

167.0743, 262.0187

0.0000

184.2333,
206.1980, 315.9090

■ 16.4411, 19.8307,
43.5186

■ 16.4411, 19.8307,
43.5186

■ 15.4357, 18.3139,
43.2792

■ 17.7568, 21.5580,
43.7831

■ 14.9647, 17.5488,
43.1564

■ 19.4239, 23.5168,
44.0733

■ 21.4789, 25.7268,
44.3915

■ 23.9529, 28.2047,
44.7394

■ 26.8736, 30.9655,
45.1184

■ 30.2664, 34.0228,
45.5297

■ 34.1545, 37.3894,
45.9746

■ 38.5597, 41.0769,
46.4542

■ 43.5023, 45.0966,
46.9695

Harmonies

Analogous

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



14.1478, 19.8307, 34.7819



16.4411, 19.8307, 43.5186



19.6553, 19.8307, 45.6616

Triad

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



16.4411, 19.8307, 43.5186



26.0172, 19.8307, 19.3929



15.2149, 19.8307, 9.9351

Complementary

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



16.4411, 19.8307, 43.5186



20.0683, 13.5752, 2.6003

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.



18.0640, 19.8307, 7.9402



16.4411, 19.8307, 43.5186



24.4897, 19.8307, 12.2463

Square

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



16.4411, 19.8307, 43.5186



25.4493, 19.8307, 29.6356



21.4801, 19.8307, 8.6380



13.5008, 19.8307, 15.1543

Rectangle

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



16.4411, 19.8307, 43.5186



21.9454, 19.8307, 42.6226



21.4801, 19.8307, 8.6380



16.0576, 19.8307, 8.9487

Sweetspot

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



16.4418, 19.8314, 43.5191



53.6432, 60.4359, 81.4749



16.8549, 31.3224, 10.7785



11.4418, 13.0035, 18.0512



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.



16.4418, 19.8314, 43.5191



26.6044, 31.0356, 77.2251



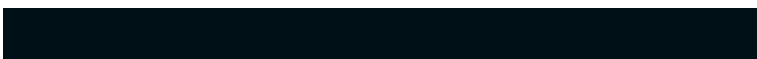
9.7583, 6.4643, 41.2913



8.0368, 8.6730, 10.2032



10.7715, 12.6768, 30.9237



0.3436, 0.4406, 0.8749

Inverse Universe

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



22.2366, 11.5645, 22.8906



38.0965, 18.8962, 35.3611



27.6904, 28.8192, 5.1410



8.2364, 8.1078, 9.5555



15.3006, 7.5828, 14.4942



0.4479, 0.2198, 0.5201

Previews

White Background



This preview shows how the XYZ color 16.4411, 19.8307, 43.5186 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 16.4411, 19.8307, 43.5186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

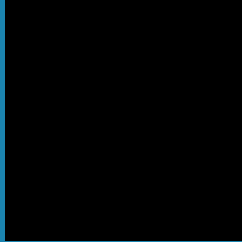
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4411, 19.8307, 43.5186

Background



This preview shows how black text looks on a background with the XYZ color 16.4411, 19.8307, 43.5186.

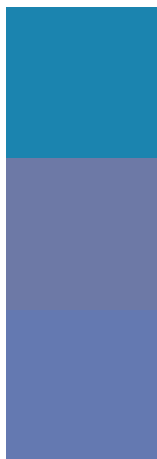


This preview shows how white text looks on a background with the XYZ color 16.4411, 19.8307,

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

16.4411, 19.8307, 43.5186

Protanopia

20.0270, 19.6791, 38.8193

Deuteranopia

20.0287, 19.5584, 44.3145



Tritanopia

14.0706, 19.7149, 30.6675

Trichromacy



Original Color

16.4411, 19.8307, 43.5186

Protanomaly

17.7195, 19.1941, 40.3070

Deuteranomaly

17.9177, 19.2183, 43.8394

Tritanomaly

14.8750, 19.8268, 34.9413

Monochromacy



Original Color

16.4411, 19.8307, 43.5186

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.2880, 15.4779, 23.7599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4411, 19.8307, 43.5186 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(27, 132, 175)` looks like.

```
.text, #text, p{  
    color:rgb(27, 132, 175)  
}
```

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(27, 132, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 132, 175) }
```

Border

The CSS property to change the border of an element to XYZ 16.4411, 19.8307, 43.5186 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(27, 132, 175) }
```


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

```
.border{ border-color:rgb(27, 132, 175) }
```

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

Here you see how a box with a 4 pixel rgb(27, 132, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 132, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 132, 175);  
box-shadow:4px 4px 4px 4px rgb(27, 132,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4411, 19.8307, 43.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 132, 175) }
```

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

```
.background{ background-color: rgb(27, 132,  
175) }
```

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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