

Converting Colors

XYZ(16.7723, 19.7585, 34.1832)

Have a look what the booklet for
XYZ(16.7723, 19.7585, 34.1832)
contains.

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Color

**XYZ(16.8074, 19.8214,
34.3926)**

Conversions

Conversions Part 1

Format	Color
Hex	4A829C
RGB	74, 130, 156
RGB Percent	29%, 51%, 61%
CMY	0.7098, 0.4902, 0.3882
CMYK	0.53, 0.17, 0.00, 0.39
HSL	199°, 36%, 45%
HSV	199°, 53%, 61%
XYZ	16.8074, 19.8214, 34.3926
YIQ	116.2200, -41.7220, -3.7860

Conversions

Conversions Part 2

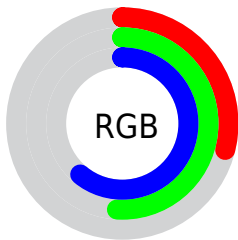
Format	Color
R_{YB}	74, 107, 156
Decimal	4883100
CIE _{Lab}	51.63, -10.88, -19.60
CIE _{LCh}	52, 22.415, 240.951
Yxy	19.8214, 0.2367, 0.2791
Android (android.graphics.Color)	4283073180 (0xFF4A829C)
YUV	116.2200, 19.6115, -37.0269
Hunter-Lab	44.5212, -10.5259, -14.6366

Details

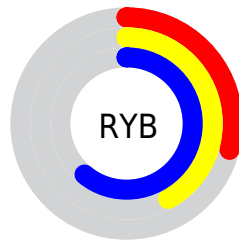
The XYZ color **16.8074, 19.8214, 34.3926** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.5040, 16.6772, 8.6702**, and the grayscale version is **16.6194, 17.4849, 19.0410**.

A 20% lighter version of the original color is **37.5934, 43.1593, 67.9772**, and **5.6302, 6.9759, 14.4143** is the 20% darker color. If you saturate the color by 10%, you get **15.1100, 17.9934, 34.1296**, and if you desaturate by 10%, it is **18.8356, 21.8677, 34.6810**.

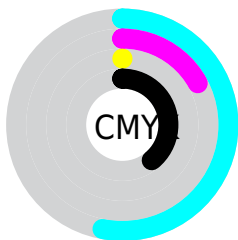
Distribution



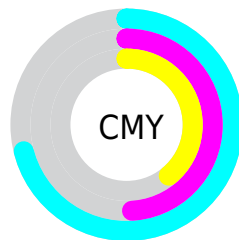
- Red (29%)
- Green (51%)
- Blue (61%)



- Red (29%)
- Yellow (42%)
- Blue (61%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (71%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8074, 19.8214, 34.3926 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 16.8074, 19.8214, 34.3926 by changing the saturation by 10% instead.

■ 16.8074, 19.8214,
34.3926

■ 16.8074, 19.8214,
34.3926

227.2380,
250.9466, 336.7015

■ 10.1917, 12.2653,
22.9156

■ 37.5406, 43.1175,
67.6846

■ 5.5895, 6.9246,
14.3265

■ 52.3888, 59.6264,
90.3366

■ 2.6354, 3.4150,
8.2067

■ 70.7119, 79.8882,
117.5508

■ 0.9640, 1.3520,
4.1379

■ 92.8752, 104.2875,
149.7455

■ 0.0000, 0.1810,
1.7013

■ 119.2441,
133.2085, 187.3394

■ 0.0000, 0.0000,
0.3616

150.1840,

■ 0.0000, 0.0000,

167.0358, 230.7510

0.0000

186.0601,
206.1537, 280.3989

■ 16.8074, 19.8214,
34.3926

■ 16.8074, 19.8214,
34.3926

■ 15.1100, 17.9934,
34.1296

■ 18.8356, 21.8677,
34.6810

■ 13.7185, 16.3690,
33.8894

■ 21.2132, 24.1413,
34.9946

■ 12.6076, 14.9349,
33.6711

■ 23.9596, 26.6533,
35.3347

■ 11.7463, 13.6744,
33.4732

■ 27.0923, 29.4133,
35.7023

■ 11.2105, 12.8196,
33.3365

■ 30.6275, 32.4302,
36.0983

■ 34.5805, 35.7125,
36.5235

■ 38.9656, 39.2683,
36.9787

■ 43.7968, 43.1051,
37.4647

■ 49.0870, 47.2303,
37.9821

Harmonies

Analogous

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



15.3532, 19.8214, 28.6365



16.8074, 19.8214, 34.3926



18.9119, 19.8214, 36.5706

Triad

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



16.8074, 19.8214, 34.3926



23.5272, 19.8214, 21.3763



16.6919, 19.8214, 12.5716

Complementary

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



16.8074, 19.8214, 34.3926



19.5040, 16.6772, 8.6702

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.



18.7676, 19.8214, 11.3768



16.8074, 19.8214, 34.3926



22.8176, 19.8214, 15.7933

Square

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



16.8074, 19.8214, 34.3926



22.8996, 19.8214, 28.2067



21.0294, 19.8214, 12.4281



15.2903, 19.8214, 16.0856

Rectangle

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



16.8074, 19.8214, 34.3926



20.4366, 19.8214, 35.4160



21.0294, 19.8214, 12.4281



17.3281, 19.8214, 11.9210

Sweetspot

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



16.8080, 19.8221, 34.3931



46.9864, 51.4864, 64.5882



17.0117, 26.1527, 16.2002



10.1018, 11.1204, 14.1844



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.8080, 19.8221, 34.3931



26.9801, 32.1583, 61.9119



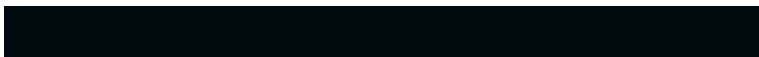
12.4005, 11.0071, 32.9239



6.6443, 7.1544, 8.4374



9.2659, 10.6234, 27.4694



0.2018, 0.2622, 0.5032

Inverse Universe

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



20.1889, 13.5778, 22.6765



34.0839, 20.5882, 36.9456



24.4668, 26.6028, 10.3245



6.8146, 6.7187, 7.8747



13.4752, 6.6947, 12.0194



0.2592, 0.1270, 0.3110

Previews

White Background



This preview shows how the XYZ color 16.8074, 19.8214, 34.3926 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 16.8074, 19.8214, 34.3926 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 16.8074, 19.8214, 34.3926

Background



This preview shows how black text looks on a background with the XYZ color 16.8074, 19.8214, 34.3926.



This preview shows how white text looks on a background with the XYZ color 16.8074, 19.8214,

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

16.8074, 19.8214, 34.3926

Protanopia

19.5449, 19.5898, 31.6052

Deuteranopia

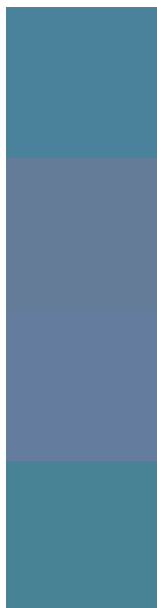
19.9583, 19.5464, 35.0687



Tritanopia

15.6634, 19.7509, 28.9734

Trichromacy



Original Color

16.8074, 19.8214, 34.3926

Protanomaly

18.2420, 19.4490, 32.4983

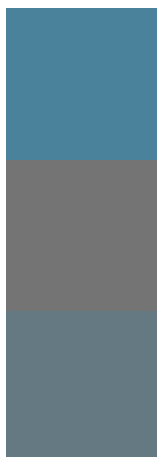
Deuteranomaly

18.5490, 19.5589, 34.6959

Tritanomaly

16.0601, 19.7103, 30.9750

Monochromacy



Original Color

16.8074, 19.8214, 34.3926

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3009, 18.0801, 24.1034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8074, 19.8214, 34.3926 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(74, 130, 156)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 156)  
}
```

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(74, 130, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 156) }
```

Border

The CSS property to change the border of an element to XYZ 16.8074, 19.8214, 34.3926 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(74, 130, 156) }
```


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

```
.border{ border-color:rgb(74, 130, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 130, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 156);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8074, 19.8214, 34.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 156) }
```

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

```
.background{ background-color: rgb(74, 130,  
156) }
```

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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