

Converting Colors

XYZ(15.8775, 19.3856, 32.6021)

Have a look what the booklet for
XYZ(15.8775, 19.3856, 32.6021)
contains.

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Color

**XYZ(15.8969, 19.3905,
32.6107)**

Conversions

Conversions Part 1

Format	Color
Hex	428298
RGB	66, 130, 152
RGB Percent	26%, 51%, 60%
CMY	0.7412, 0.4902, 0.4039
CMYK	0.57, 0.14, 0.00, 0.40
HSL	195°, 39%, 43%
HSV	195°, 57%, 60%
XYZ	15.8969, 19.3905, 32.6107
YIQ	113.3720, -45.2060, -6.7260

Conversions

Conversions Part 2

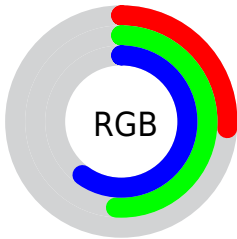
Format	Color
R_{YB}	66, 103, 152
Decimal	4358808
CIE _{Lab}	51.14, -13.92, -18.05
CIE _{LCh}	51, 22.794, 232.369
Yxy	19.3905, 0.2341, 0.2856
Android (android.graphics.Color)	4282548888 (0xFF428298)
YUV	113.3720, 19.0436, -41.5452
Hunter-Lab	44.0346, -12.6205, -13.0841

Details

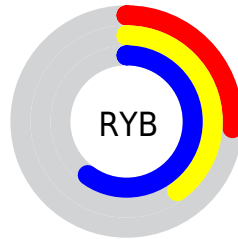
The XYZ color **15.8969, 19.3905, 32.6107** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4226, 14.0489, 6.9483**, and the grayscale version is **15.7619, 16.5827, 18.0586**.

A 20% lighter version of the original color is **35.9592, 42.3882, 64.6790**, and **5.2914, 6.8244, 13.3503** is the 20% darker color. If you saturate the color by 10%, you get **14.4984, 17.9165, 32.4003**, and if you desaturate by 10%, it is **17.5884, 21.0453, 32.8413**.

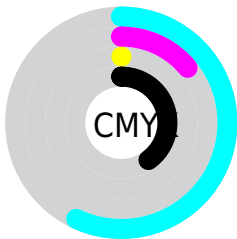
Distribution



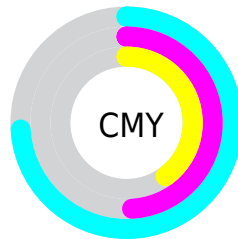
- Red (26%)
- Green (51%)
- Blue (60%)



- Red (26%)
- Yellow (40%)
- Blue (60%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)



- Cyan (74%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8969, 19.3905, 32.6107 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 15.8969, 19.3905, 32.6107 by changing the saturation by 10% instead.

■ 15.8969, 19.3905,
32.6107

■ 15.8969, 19.3905,
32.6107

222.0149,
248.5961, 328.4699

■ 9.5416, 11.9528,
21.5597

■ 35.9780, 42.3929,
64.8762

■ 5.1560, 6.7115,
13.3385

■ 50.4346, 58.7264,
86.9279

■ 2.3748, 3.2824,
7.5286

■ 68.3222, 78.7939,
113.4835

■ 0.8325, 1.2809,
3.7114

■ 90.0064, 102.9799,
144.9616

■ 0.0000, 0.1263,
1.4684

■ 115.8524,
131.6687, 181.7808

■ 0.0000, 0.0000,
0.1942

146.2256,

■ 0.0000, 0.0000,

165.2448, 224.3595

0.0000

181.4913,
204.0925, 273.1164

■ 15.8969, 19.3905,
32.6107

■ 15.8969, 19.3905,
32.6107

■ 14.4984, 17.9165,
32.4003

■ 17.5884, 21.0453,
32.8413

■ 13.3686, 16.6095,
32.2075

■ 19.5909, 22.8893,
33.0917

■ 12.4825, 15.4564,
32.0317

■ 21.9230, 24.9330,
33.3633

■ 11.8007, 14.4367,
31.8708

■ 24.6014, 27.1850,
33.6568

■ 11.5858, 14.1035,
31.8178

■ 27.6415, 29.6538,
33.9731

■ 31.0579, 32.3471,
34.3129

■ 34.8642, 35.2722,
34.6769

■ 39.0733, 38.4361,
35.0657

■ 43.6978, 41.8455,
35.4800

Harmonies

Analogous

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



14.6891, 19.3905, 26.2240



15.8969, 19.3905, 32.6107



17.8578, 19.3905, 36.0441

Triad

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



15.8969, 19.3905, 32.6107



23.0922, 19.3905, 22.8129



16.8220, 19.3905, 11.5520

Complementary

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



15.8969, 19.3905, 32.6107



17.4226, 14.0489, 6.9483

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.



19.0145, 19.3905, 11.0069



15.8969, 19.3905, 32.6107



22.7578, 19.3905, 16.7133

Square

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



15.8969, 19.3905, 32.6107



22.0986, 19.3905, 29.6805



21.2190, 19.3905, 12.6959



15.1919, 19.3905, 14.3766

Rectangle

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



15.8969, 19.3905, 32.6107



19.3787, 19.3905, 35.7890



21.2190, 19.3905, 12.6959



17.5129, 19.3905, 11.1233

Sweetspot

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



15.8975, 19.3912, 32.6112



43.0448, 47.6707, 59.3663



15.2164, 24.3116, 13.0157



9.5799, 10.6658, 13.4713



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.8975, 19.3912, 32.6112



24.9975, 30.9620, 57.0924



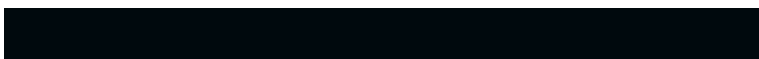
11.3637, 10.3236, 31.0999



6.2508, 6.7589, 7.9041



9.7400, 11.8766, 26.6868



0.1740, 0.2344, 0.4084

Inverse Universe

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



18.9269, 12.1842, 22.4740



31.1632, 17.9347, 36.0924



21.9821, 23.1680, 8.4682



6.3937, 6.2966, 7.4533



13.3751, 6.6043, 13.7659



0.2143, 0.1045, 0.2813

Previews

White Background



This preview shows how the XYZ color 15.8969, 19.3905, 32.6107 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 15.8969, 19.3905, 32.6107 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

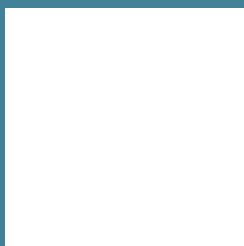
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8969, 19.3905, 32.6107

Background



This preview shows how black text looks on a background with the XYZ color 15.8969, 19.3905, 32.6107.



This preview shows how white text looks on a background with the XYZ color 15.8969, 19.3905,

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

15.8969, 19.3905, 32.6107

Protanopia

19.0298, 19.1903, 29.4892

Deuteranopia

19.6320, 19.2397, 33.2508



Tritanopia

15.1204, 19.4797, 28.5542

Trichromacy



Original Color

15.8969, 19.3905, 32.6107

Protanomaly

17.5900, 19.1501, 30.7862

Deuteranomaly

17.8697, 19.0625, 32.8746

Tritanomaly

15.3545, 19.3647, 30.1226

Monochromacy



Original Color

15.8969, 19.3905, 32.6107

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2515, 17.2128, 22.5972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8969, 19.3905, 32.6107 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(66, 130, 152) looks like.

```
.text, #text, p{  
    color:rgb(66, 130, 152)  
}
```

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(66, 130, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 130, 152) }
```

Border

The CSS property to change the border of an element to XYZ 15.8969, 19.3905, 32.6107 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(66, 130, 152) }
```


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

```
.border{ border-color:rgb(66, 130, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 130, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 130, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 130, 152);  
box-shadow:4px 4px 4px 4px rgb(66, 130,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8969, 19.3905, 32.6107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 130, 152) }
```

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

```
.background{ background-color: rgb(66, 130,  
152) }
```

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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