

Converting Colors

XYZ(19.6034, 11.4726, 15.4861)

Have a look what the booklet for
XYZ(19.6034, 11.4726, 15.4861)
contains.

XYZ(19.5733, 11.4709, 15.3698)	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(19.5733, 11.4709,
15.3698)**

Conversions

Conversions Part 1

Format	Color
Hex	A6326C
RGB	166, 50, 108
RGB Percent	65%, 20%, 42%
CMY	0.3490, 0.8039, 0.5765
CMYK	0.00, 0.70, 0.35, 0.35
HSL	330°, 54%, 42%
HSV	330°, 70%, 65%
XYZ	19.5733, 11.4709, 15.3698
YIQ	91.2960, 50.5180, 42.6300

Conversions

Conversions Part 2

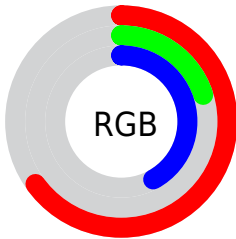
Format	Color
R_{YB}	166, 50, 108
Decimal	10891884
CIE Lab	40.36, 52.32, -6.96
CIE LCh	40, 52.784, 352.424
Yxy	11.4709, 0.4217, 0.2471
Android (android.graphics.Color)	4289081964 (0xFFA6326C)
YUV	91.2960, 8.2351, 65.5154
Hunter-Lab	33.8687, 43.8879, -3.1980

Details

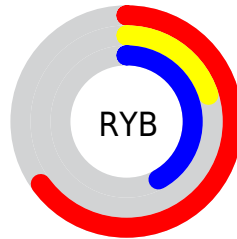
The XYZ color **19.5733, 11.4709, 15.3698** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.6591, 29.0337, 18.8626**, and the grayscale version is **9.9857, 10.5057, 11.4407**.

A 20% lighter version of the original color is **42.0501, 28.4536, 36.0767**, and **7.2727, 3.6519, 4.7365** is the 20% darker color. If you saturate the color by 10%, you get **18.5669, 10.1317, 12.9576**, and if you desaturate by 10%, it is **20.8797, 13.3427, 18.0898**.

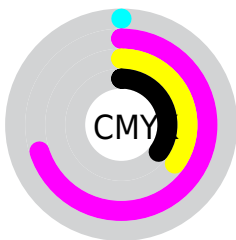
Distribution



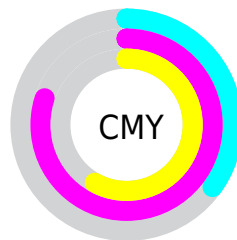
- Red (65%)
- Green (20%)
- Blue (42%)



- Red (65%)
- Yellow (20%)
- Blue (42%)



- Cyan (0%)
- Magenta (70%)
- Yellow (35%)
- Black (35%)



- Cyan (35%)
- Magenta (80%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5733, 11.4709, 15.3698 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 19.5733, 11.4709, 15.3698 by changing the saturation by 10% instead.

19.5733, 11.4709,
15.3698

19.5733, 11.4709,
15.3698

242.4735,
200.8703, 237.3111

12.1917, 6.3845,
8.9298

42.2100, 28.5277,
36.2521

6.9475, 3.0803,
4.5993

58.1959, 41.2669,
51.5314

3.4753, 1.1738,
1.9595

77.7806, 57.3259,
70.5944

1.4098, 0.0401,
0.5302

101.3294, 77.0889,
93.8594

0.2632, 0.0000,
0.0000

129.2078,
100.9405, 121.7450

0.0000, 0.0000,
0.0000

161.7810,

129.2650, 154.6698

199.4145,
162.4468, 193.0523

■ 19.5733, 11.4709,
15.3698

■ 19.5733, 11.4709,
15.3698

■ 18.5669, 10.1317,
12.9576

■ 20.8797, 13.3427,
18.0898

■ 17.8290, 9.2642,
10.8365

■ 22.5113, 15.7957,
21.1311

■ 17.2934, 8.7376,
8.9787

■ 24.4915, 18.8751,
24.5071

■ 17.2871, 8.7315,
8.9569

■ 26.8411, 22.6209,
28.2298

■ 29.5795, 27.0700,
32.3106

■ 32.7243, 32.2563,
36.7603

■ 36.2923, 38.2117,
41.5890

■ 40.2991, 44.9662,
46.8066

■ 44.7597, 52.5480,
52.4224

Harmonies

Analogous

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



17.5605, 11.4709, 29.4658



19.5733, 11.4709, 15.3698



18.8795, 11.4709, 6.2237

Triad

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



19.5733, 11.4709, 15.3698



8.4104, 11.4709, 1.5416



7.1180, 11.4709, 36.5605

Complementary

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



19.5733, 11.4709, 15.3698



17.6591, 29.0337, 18.8626

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.



5.5646, 11.4709, 21.9733



19.5733, 11.4709, 15.3698



6.1847, 11.4709, 3.7358

Square

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



19.5733, 11.4709, 15.3698



11.8667, 11.4709, 1.2282



5.2666, 11.4709, 9.9942



9.9924, 11.4709, 45.4770

Rectangle

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



19.5733, 11.4709, 15.3698



17.0348, 11.4709, 3.1764



5.2666, 11.4709, 9.9942



6.4533, 11.4709, 31.8656

Sweetspot

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



19.5736, 11.4715, 15.3700



52.8844, 47.8218, 57.4762



14.2086, 8.2233, 36.9150



11.5309, 10.2065, 12.4149



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.5736, 11.4715, 15.3700



32.8799, 17.3956, 21.2654



17.4427, 10.6191, 4.1487



7.6817, 7.6025, 8.6408



13.4289, 6.7803, 7.0699



0.3526, 0.1753, 0.3081

Inverse Universe

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



19.5736, 11.4715, 15.3700



32.8799, 17.3956, 21.2654



21.8350, 30.7040, 40.8522



7.6817, 7.6025, 8.6408



13.4289, 6.7803, 7.0699



0.3526, 0.1753, 0.3081

Previews

White Background



This preview shows how the XYZ color 19.5733, 11.4709, 15.3698 looks on a white background.

Color Contrast Check

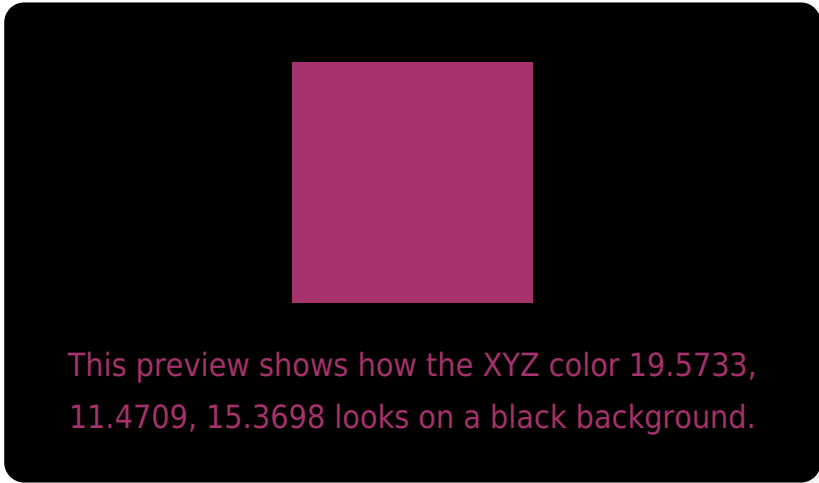
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

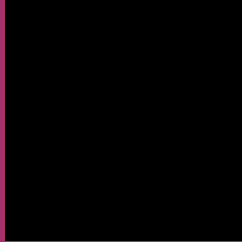
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5733, 11.4709, 15.3698

Background



This preview shows how black text looks on a background with the XYZ color 19.5733, 11.4709, 15.3698.



This preview shows how white text looks on a background with the XYZ color 19.5733, 11.4709,

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

19.5733, 11.4709, 15.3698

Protanopia

12.1593, 11.8132, 25.6841

Deuteranopia

11.9061, 11.6716, 14.1957



Tritanopia

17.7271, 11.5057, 6.2875

Trichromacy



Original Color

19.5733, 11.4709, 15.3698

Protanomaly

13.4368, 10.6350, 21.4232

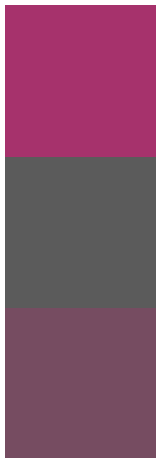
Deuteranomaly

13.7568, 10.7429, 14.4452

Tritanomaly

18.2582, 11.4128, 9.0252

Monochromacy



Original Color

19.5733, 11.4709, 15.3698

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.2133, 9.8835, 12.5733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5733, 11.4709, 15.3698 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(166, 50, 108)` looks like.

```
.text, #text, p{  
    color:rgb(166, 50, 108)  
}
```

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(166, 50, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 50, 108) }
```

Border

The CSS property to change the border of an element to XYZ 19.5733, 11.4709, 15.3698 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(166, 50, 108) }
```


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

```
.border{ border-color:rgb(166, 50, 108) }
```

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

Here you see how a box with a 4 pixel rgb(166, 50, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 50, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 50, 108);  
box-shadow:4px 4px 4px 4px rgb(166, 50,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5733, 11.4709, 15.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 50, 108) }
```

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

```
.background{ background-color: rgb(166, 50,  
108) }
```

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