

Converting Colors

XYZ(18.7439, 19.0158, 30.6995)

Have a look what the booklet for
XYZ(18.7439, 19.0158, 30.6995)
contains.

XYZ(18.7439, 19.0158, 30.6995)	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(18.7439, 19.0158,
30.6995)**

Conversions

Conversions Part 1

Format	Color
Hex	707894
RGB	112, 120, 148
RGB Percent	44%, 47%, 58%
CMY	0.5608, 0.5294, 0.4196
CMYK	0.24, 0.19, 0.00, 0.42
HSL	227°, 14%, 51%
HSV	227°, 24%, 58%
XYZ	18.7439, 19.0158, 30.6995
YIQ	120.8000, -13.7560, 7.0120

Conversions

Conversions Part 2

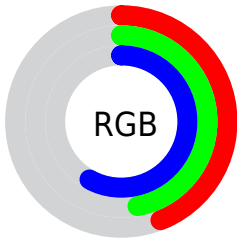
Format	Color
R_{YB}	112, 119, 148
Decimal	7370900
CIE _{Lab}	50.71, 3.51, -16.14
CIE _{LCh}	51, 16.513, 282.271
Yxy	19.0158, 0.2738, 0.2778
Android (android.graphics.Color)	4285560980 (0xFF707894)
YUV	120.8000, 13.4096, -7.7176
Hunter-Lab	43.6071, 0.4133, -11.2153

Details

The XYZ color **18.7439, 19.0158, 30.6995** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.5158, 26.2222, 19.0992**, and the grayscale version is **18.0712, 19.0123, 20.7044**.

A 20% lighter version of the original color is **40.7230, 41.6618, 61.7723**, and **6.5249, 6.5546, 12.2305** is the 20% darker color. If you saturate the color by 10%, you get **15.7112, 15.5197, 30.1848**, and if you desaturate by 10%, it is **22.2538, 23.0059, 31.2850**.

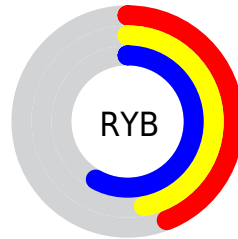
Distribution



Red (44%)

Green (47%)

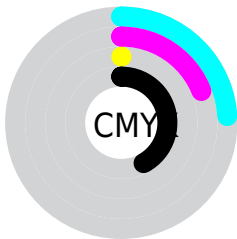
Blue (58%)



Red (44%)

Yellow (47%)

Blue (58%)

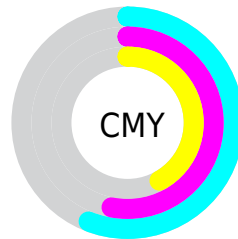


Cyan (24%)

Magenta (19%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7439, 19.0158, 30.6995 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 18.7439, 19.0158, 30.6995 by changing the saturation by 10% instead.

■ 18.7439, 19.0158,
30.6995

■ 18.7439, 19.0158,
30.6995

237.9966,
246.5360, 319.4597

■ 11.5883, 11.6817,
20.1136

■ 40.8211, 41.7608,
61.8407

■ 6.5342, 6.5273,
12.2927

■ 56.4734, 57.9405,
83.2330

■ 3.2162, 3.1683,
6.8184

■ 75.6887, 77.8375,
109.0646

■ 1.2691, 1.2202,
3.2721

■ 98.8323, 101.8362,
139.7539

■ 0.1599, 0.0781,
1.2352

126.2695,
130.3210, 175.7196

■ 0.0000, 0.0000,
0.0078

158.3657,

■ 0.0000, 0.0000,

163.6763, 217.3801

0.0000

195.4863,
202.2865, 265.1539

■ 18.7439, 19.0158,
30.6995

■ 18.7439, 19.0158,
30.6995

■ 15.7112, 15.5197,
30.1848

■ 22.2538, 23.0059,
31.2850

■ 13.1330, 12.4959,
29.7371

■ 26.2587, 27.5061,
31.9425

■ 10.9872, 9.9240,
29.3537

■ 30.7778, 32.5346,
32.6749

■ 9.2492, 7.7817,
29.0318

■ 35.8287, 38.1081,
33.4845

■ 7.8918, 6.0444,
28.7680

■ 41.4281, 44.2424,
34.3735

■ 6.8844, 4.6848,
28.5587

■ 47.5920, 50.9528,
35.3438

■ 6.1901, 3.6715,
28.3997

■ 54.3357, 58.2540,
36.3977

■ 5.8862, 3.2198,
28.3286

■ 61.6739, 66.1599,
37.5369

■ 69.6209, 74.6842,
38.7634

Harmonies

Analogous

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



17.1421, 19.0158, 30.4146



18.7439, 19.0158, 30.6995



20.2505, 19.0158, 28.0304

Triad

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



18.7439, 19.0158, 30.6995



20.4776, 19.0158, 15.2668



15.2671, 19.0158, 18.1062

Complementary

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



18.7439, 19.0158, 30.6995



24.5158, 26.2222, 19.0992

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.



16.0592, 19.0158, 14.7819



18.7439, 19.0158, 30.6995



19.0389, 19.0158, 13.3189

Square

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



18.7439, 19.0158, 30.6995



21.2908, 19.0158, 18.8668



17.4202, 19.0158, 13.1558



15.1986, 19.0158, 22.6589

Rectangle

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



18.7439, 19.0158, 30.6995



20.9729, 19.0158, 25.1381



17.4202, 19.0158, 13.1558



15.4553, 19.0158, 16.8263

Sweetspot

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



18.7445, 19.0166, 30.6999



44.2510, 46.2031, 56.0204



21.9767, 26.5067, 28.6150



10.0171, 10.4525, 12.7744



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.7445, 19.0166, 30.6999



30.1581, 30.2045, 53.6751



19.1095, 17.8355, 30.4527



5.5978, 5.8297, 7.2999



5.0454, 2.7856, 24.2028



0.0805, 0.0716, 0.3025

Inverse Universe

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



21.3976, 19.2409, 20.3562



35.6773, 30.7990, 32.1284



24.0625, 27.7875, 19.4252



5.8504, 5.8352, 6.3186



10.6738, 5.4746, 1.7631



0.1401, 0.0708, 0.0714

Previews

White Background



This preview shows how the XYZ color 18.7439, 19.0158, 30.6995 looks on a white background.

Color Contrast Check

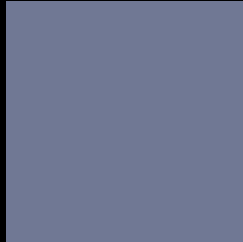
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7439, 19.0158, 30.6995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

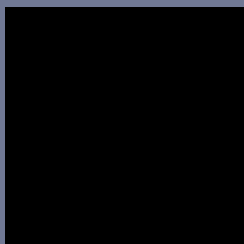
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

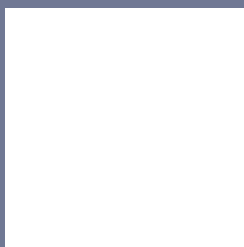
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7439, 19.0158, 30.6995

Background



This preview shows how black text looks on a background with the XYZ color 18.7439, 19.0158, 30.6995.



This preview shows how white text looks on a background with the XYZ color 18.7439, 19.0158,

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

18.7439, 19.0158, 30.6995

Protanopia

18.8816, 18.9092, 30.6716

Deuteranopia

19.2949, 18.9465, 30.6571



Tritanopia

17.5545, 19.0831, 24.5880

Trichromacy



Original Color

18.7439, 19.0158, 30.6995

Protanomaly

18.7522, 18.8425, 30.6656

Deuteranomaly

19.1446, 19.0448, 30.6840

Tritanomaly

17.9774, 19.0690, 26.7779

Monochromacy



Original Color

18.7439, 19.0158, 30.6995

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.4053, 19.1650, 24.2019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7439, 19.0158, 30.6995 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(112, 120, 148)` looks like.

```
.text, #text, p{  
    color:rgb(112, 120, 148)  
}
```

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(112, 120, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 120, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.7439, 19.0158, 30.6995 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(112, 120, 148) }
```


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

```
.border{ border-color:rgb(112, 120, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 120, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 120, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 120, 148);  
box-shadow:4px 4px 4px 4px rgb(112, 120,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7439, 19.0158, 30.6995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 120, 148) }
```

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

```
.background{ background-color: rgb(112,  
120, 148) }
```

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