

Converting Colors

XYZ(19.7909, 19.3500, 31.9727)

Have a look what the booklet for
XYZ(19.7909, 19.3500, 31.9727)
contains.

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Color

**XYZ(19.7905, 19.3500,
31.9700)**

Conversions

Conversions Part 1

Format	Color
Hex	777797
RGB	119, 119, 151
RGB Percent	47%, 47%, 59%
CMY	0.5333, 0.5333, 0.4078
CMYK	0.21, 0.21, 0.00, 0.41
HSL	240°, 13%, 53%
HSV	240°, 21%, 59%
XYZ	19.7905, 19.3500, 31.9700
YIQ	122.6480, -10.2720, 9.9520

Conversions

Conversions Part 2

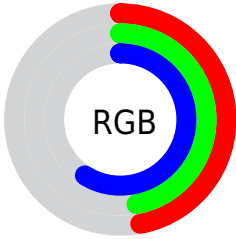
Format	Color
R_{YB}	119, 119, 151
Decimal	7829399
CIE Lab	51.09, 7.15, -17.25
CIE LCh	51, 18.675, 292.524
Yxy	19.3500, 0.2783, 0.2721
Android (android.graphics.Color)	4286019479 (0xFF777797)
YUV	122.6480, 13.9775, -3.1993
Hunter-Lab	43.9886, 3.3271, -12.2987

Details

The XYZ color **19.7905, 19.3500, 31.9700** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.1590, 30.0444, 21.8210**, and the grayscale version is **18.6693, 19.6416, 21.3897**.

A 20% lighter version of the original color is **42.5956, 42.3043, 63.6781**, and **7.0793, 6.7287, 12.9822** is the 20% darker color. If you saturate the color by 10%, you get **16.2241, 15.0528, 31.3288**, and if you desaturate by 10%, it is **23.9730, 24.3896, 32.7226**.

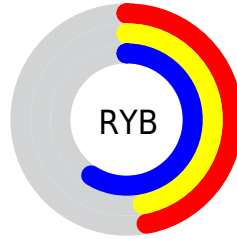
Distribution



Red (47%)

Green (47%)

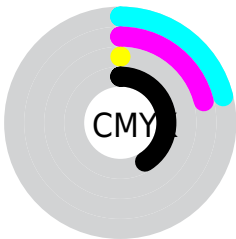
Blue (59%)



Red (47%)

Yellow (47%)

Blue (59%)

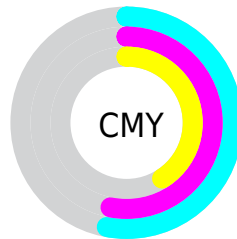


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (41%)



Cyan (53%)

Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7905, 19.3500, 31.9700 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 19.7905, 19.3500, 31.9700 by changing the saturation by 10% instead.

■ 19.7905, 19.3500,
31.9700

■ 19.7905, 19.3500,
31.9700

243.6339,
248.3742, 325.4711

■ 12.3502, 11.9235,
21.0740

■ 42.5723, 42.3247,
63.8614

■ 7.0566, 6.6916,
12.9863

■ 58.6445, 58.6416,
85.6939

■ 3.5441, 3.2700,
7.2885

■ 78.3248, 78.6908,
112.0089

■ 1.4476, 1.2743,
3.5620

101.9784,
102.8566, 143.2250

■ 0.2898, 0.1211,
1.3883

129.9708,
131.5235, 179.7607

■ 0.0000, 0.0000,
0.1325

162.6673,

■ 0.0000, 0.0000,

165.0757, 222.0346

0.0000

200.4332,
203.8979, 270.4652

■ 19.7905, 19.3500,
31.9700

■ 19.7905, 19.3500,
31.9700

■ 16.2241, 15.0528,
31.3288

■ 23.9730, 24.3896,
32.7226

■ 13.2429, 11.4606,
30.7926

■ 28.7966, 30.2018,
33.5902

■ 10.8162, 8.5366,
30.3561

■ 34.2876, 36.8179,
34.5779

■ 8.9098, 6.2395,
30.0132

■ 40.4699, 44.2671,
35.6899

■ 7.4858, 4.5236,
29.7571

■ 47.3665, 52.5769,
36.9303

■ 6.5009, 3.3369,
29.5799

■ 54.9990, 61.7734,
38.3032

■ 5.9043, 2.6180,
29.4726

■ 63.3884, 71.8820,
39.8121

■ 5.5860, 2.2345,
29.4154

■ 72.5548, 82.9267,
41.4609

■ 82.5175, 94.9308,
43.2528

Harmonies

Analogous

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



17.9319, 19.3500, 32.8920



19.7905, 19.3500, 31.9700



21.3666, 19.3500, 27.9071

Triad

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



19.7905, 19.3500, 31.9700



20.6457, 19.3500, 13.9641



15.0803, 19.3500, 19.7689

Complementary

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



19.7905, 19.3500, 31.9700



27.1590, 30.0444, 21.8210

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.



15.7064, 19.3500, 15.4503



19.7905, 19.3500, 31.9700



18.8591, 19.3500, 12.4846

Square

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



19.7905, 19.3500, 31.9700



21.8830, 19.3500, 17.3967



17.0602, 19.3500, 12.9789



15.2928, 19.3500, 25.2244

Rectangle

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



19.7905, 19.3500, 31.9700



22.0037, 19.3500, 24.2842



17.0602, 19.3500, 12.9789



15.1981, 19.3500, 18.1507

Sweetspot

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



19.7911, 19.3508, 31.9704



47.1665, 48.7803, 59.3633



24.2174, 28.2726, 33.2327



10.6059, 10.9493, 13.4719



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.



19.7911, 19.3508, 31.9704



32.5584, 31.1786, 56.7357



22.0892, 20.5353, 32.0779



5.8845, 6.0264, 7.7820



4.7521, 1.9010, 25.0242



0.0710, 0.0284, 0.3741

Inverse Universe

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



22.6896, 21.1054, 20.3316



38.6179, 34.8468, 32.4034



24.4745, 28.6607, 21.6954



6.2088, 6.2227, 6.4798



10.8574, 5.5972, 0.5083



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 19.7905, 19.3500, 31.9700 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 19.7905, 19.3500, 31.9700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

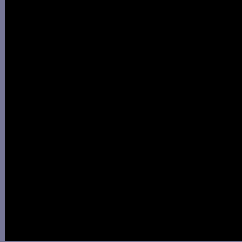
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7905, 19.3500, 31.9700

Background



This preview shows how black text looks on a background with the XYZ color 19.7905, 19.3500, 31.9700.



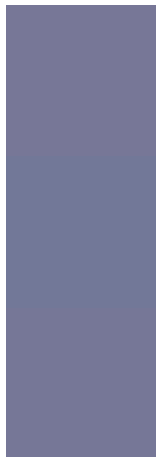
This preview shows how white text looks on a background with the XYZ color 19.7905, 19.3500,

31.9700.

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

19.7905, 19.3500, 31.9700

Protanopia

19.3234, 19.2773, 32.4082

Deuteranopia

19.6540, 19.2796, 31.9636



Tritanopia

18.1946, 19.2298, 24.5826

Trichromacy



Original Color

19.7905, 19.3500, 31.9700

Protanomaly

19.5864, 19.4129, 32.4205

Deuteranomaly

19.6540, 19.2796, 31.9636

Tritanomaly

18.7000, 19.2518, 27.1565

Monochromacy



Original Color

19.7905, 19.3500, 31.9700

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2192, 19.7501, 24.9895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7905, 19.3500, 31.9700 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(119, 119, 151)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 151)  
}
```

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(119, 119, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 151) }
```

Border

The CSS property to change the border of an element to XYZ 19.7905, 19.3500, 31.9700 is called "border". The border property can be set on classes, ids or directly on the HTML element.

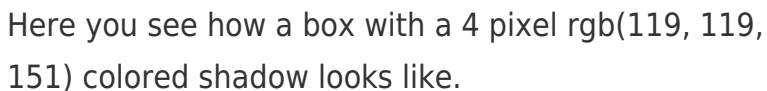
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 119, 151) }
```


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

```
.border{ border-color:rgb(119, 119, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 119, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 119, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 119, 151); box-shadow:4px 4px 4px 4px rgb(119, 119, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7905, 19.3500, 31.9700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 151) }
```

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

```
.background{ background-color: rgb(119,  
119, 151) }
```

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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