

Converting Colors

XYZ(17.8900, 18.1945, 31.8471)

Have a look what the booklet for
XYZ(17.8900, 18.1945, 31.8471)
contains.

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Color

**XYZ(17.8900, 18.1945,
31.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	697697
RGB	105, 118, 151
RGB Percent	41%, 46%, 59%
CMY	0.5882, 0.5372, 0.4078
CMYK	0.30, 0.22, 0.00, 0.41
HSL	223°, 18%, 50%
HSV	223°, 30%, 59%
XYZ	17.8900, 18.1945, 31.8471
YIQ	117.8750, -18.3410, 7.5070

Conversions

Conversions Part 2

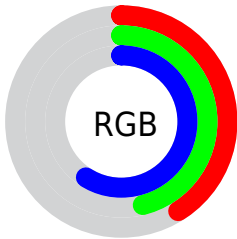
Format	Color
R_{YB}	105, 115, 151
Decimal	6911639
CIE _{Lab}	49.73, 3.22, -19.43
CIE _{LCh}	50, 19.695, 279.415
Yxy	18.1945, 0.2634, 0.2678
Android (android.graphics.Color)	4285101719 (0xFF697697)
YUV	117.8750, 16.3306, -11.2914
Hunter-Lab	42.6550, 0.2187, -14.4086

Details

The XYZ color **17.8900, 18.1945, 31.8471** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.4009, 25.7762, 17.0543**, and the grayscale version is **17.1359, 18.0283, 19.6328**.

A 20% lighter version of the original color is **39.2988, 40.3253, 63.4699**, and **6.1213, 6.1412, 12.9193** is the 20% darker color. If you saturate the color by 10%, you get **15.0683, 14.9541, 31.3707**, and if you desaturate by 10%, it is **21.1743, 21.8918, 32.3880**.

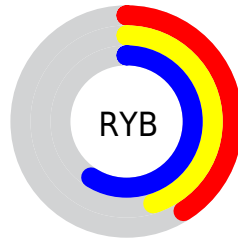
Distribution



Red (41%)

Green (46%)

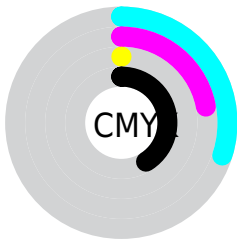
Blue (59%)



Red (41%)

Yellow (45%)

Blue (59%)

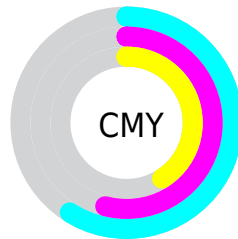


Cyan (30%)

Magenta (22%)

Yellow (0%)

Black (41%)



Cyan (59%)

Magenta (54%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8900, 18.1945, 31.8471 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 17.8900, 18.1945, 31.8471 by changing the saturation by 10% instead.

■ 17.8900, 18.1945,
31.8471

■ 17.8900, 18.1945,
31.8471

233.3079,
241.9651, 324.8934

■ 10.9703, 11.0897,
20.9809

■ 39.3814, 40.3685,
63.6664

■ 6.1140, 6.1272,
12.9189

■ 54.6837, 56.2064,
85.4566

■ 2.9558, 2.9226,
7.2427

■ 73.5109, 75.7243,
111.7252

■ 1.1304, 1.0915,
3.5336

■ 96.2284, 99.3064,
142.8908

■ 0.0504, 0.0000,
1.3731

123.2014,
127.3371, 179.3719

■ 0.0000, 0.0000,
0.1206

154.7955,

■ 0.0000, 0.0000,

160.2008, 221.5870

0.0000

191.3758,
198.2820, 269.9546

■ 17.8900, 18.1945,
31.8471

■ 17.8900, 18.1945,
31.8471

■ 15.0683, 14.9541,
31.3707

■ 21.1743, 21.8918,
32.3880

■ 12.6859, 12.1498,
30.9550

■ 24.9396, 26.0610,
32.9943

■ 10.7199, 9.7627,
30.5978

■ 29.2055, 30.7195,
33.6686

■ 9.1447, 7.7713,
30.2965

■ 33.9896, 35.8827,
34.4130

■ 7.9314, 6.1519,
30.0478

■ 39.3091, 41.5655,
35.2296

■ 7.0469, 4.8780,
29.8486

■ 45.1802, 47.7822,
36.1201

■ 6.4382, 3.9388,
29.6994

■ 51.6182, 54.5465,
37.0864

■ 58.6382, 61.8716,
38.1303

■ 66.2543, 69.7702,
39.2534

Harmonies

Analogous

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



16.0560, 18.1945, 31.1383



17.8900, 18.1945, 31.8471



19.6857, 18.1945, 28.9097

Triad

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



17.8900, 18.1945, 31.8471



20.2319, 18.1945, 13.9498



14.1321, 18.1945, 16.3965

Complementary

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



17.8900, 18.1945, 31.8471



24.4009, 25.7762, 17.0543

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.



15.1031, 18.1945, 12.8545



17.8900, 18.1945, 31.8471



18.5926, 18.1945, 11.6293

Square

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



17.8900, 18.1945, 31.8471



21.1008, 18.1945, 18.1687



16.7101, 18.1945, 11.2683



13.9738, 18.1945, 21.5487

Rectangle

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



17.8900, 18.1945, 31.8471



20.5875, 18.1945, 25.5446



16.7101, 18.1945, 11.2683



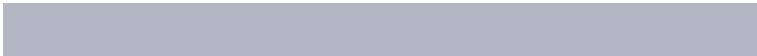
14.3707, 18.1945, 15.0063

Sweetspot

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



17.8906, 18.1952, 31.8475



45.5925, 47.6922, 59.2362



21.4777, 26.9708, 28.1063



10.1395, 10.5948, 13.4281



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.



17.8906, 18.1952, 31.8475



28.2814, 28.2817, 56.4020



17.7037, 15.9805, 31.4299



6.0196, 6.2965, 7.8271



5.4988, 3.3942, 25.2730



0.1102, 0.1066, 0.3871

Inverse Universe

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



21.0845, 17.9909, 19.5017



35.0782, 28.1439, 30.0629



24.6069, 28.8191, 17.6308



6.2770, 6.2500, 6.8388



11.2343, 5.7480, 2.4929



0.1821, 0.0916, 0.1116

Previews

White Background



This preview shows how the XYZ color 17.8900, 18.1945, 31.8471 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



This preview shows how the XYZ color 17.8900, 18.1945, 31.8471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

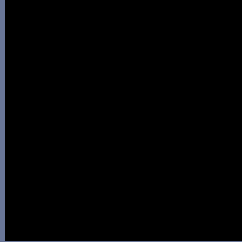
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

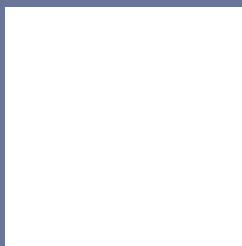
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8900, 18.1945, 31.8471

Background



This preview shows how black text looks on a background with the XYZ color 17.8900, 18.1945, 31.8471.

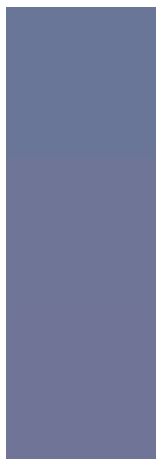


This preview shows how white text looks on a background with the XYZ color 17.8900, 18.1945,

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

17.8900, 18.1945, 31.8471

Protanopia

18.2967, 18.2396, 31.4104

Deuteranopia

18.5134, 18.1699, 31.8095



Tritanopia

16.4231, 18.3245, 24.1441

Trichromacy



Original Color

17.8900, 18.1945, 31.8471

Protanomaly

18.0507, 18.1127, 31.3989

Deuteranomaly

18.2539, 18.2082, 31.8306

Tritanomaly

16.9043, 18.3345, 26.6927

Monochromacy



Original Color

17.8900, 18.1945, 31.8471

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.3177, 18.0793, 23.6960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8900, 18.1945, 31.8471 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(105, 118, 151)` looks like.

```
.text, #text, p{  
    color:rgb(105, 118, 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(105, 118, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 118, 151) }
```

Border

The CSS property to change the border of an element to XYZ 17.8900, 18.1945, 31.8471 is called "border". The border property can be set on classes, ids or directly on the HTML element.

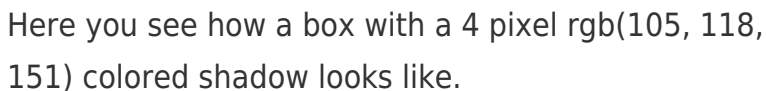
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 118, 151) }
```


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

```
.border{ border-color:rgb(105, 118, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 118, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 118, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 118, 151);  
box-shadow:4px 4px 4px 4px rgb(105, 118,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8900, 18.1945, 31.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 118, 151) }
```

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

```
.background{ background-color: rgb(105,  
118, 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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