

Converting Colors

XYZ(20.0380, 17.9551, 39.6874)

Have a look what the booklet for
XYZ(20.0380, 17.9551, 39.6874)
contains.

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Color

**XYZ(19.9548, 17.9090,
39.4508)**

Conversions

Conversions Part 1

Format	Color
Hex	746FA8
RGB	116, 111, 168
RGB Percent	45%, 44%, 66%
CMY	0.5451, 0.5647, 0.3412
CMYK	0.31, 0.34, 0.00, 0.34
HSL	245°, 25%, 55%
HSV	245°, 34%, 66%
XYZ	19.9548, 17.9090, 39.4508
YIQ	118.9930, -15.3170, 18.7870

Conversions

Conversions Part 2

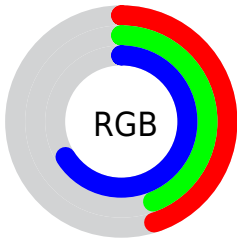
Format	Color
R_{YB}	116, 111, 168
Decimal	7630760
CIE _{Lab}	49.39, 15.34, -29.85
CIE _{LCh}	49, 33.557, 297.196
Yxy	17.9090, 0.2581, 0.2316
Android (android.graphics.Color)	4285820840 (0xFF746FA8)
YUV	118.9930, 24.1605, -2.6249
Hunter-Lab	42.3190, 10.1103, -25.6482

Details

The XYZ color **19.9548, 17.9090, 39.4508** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.9763, 36.9397, 20.4843**, and the grayscale version is **17.4623, 18.3717, 20.0068**.

A 20% lighter version of the original color is **42.7787, 39.9571, 75.2699**, and **7.1099, 5.9398, 17.2948** is the 20% darker color. If you saturate the color by 10%, you get **16.4193, 13.6166, 38.8089**, and if you desaturate by 10%, it is **24.1724, 23.0655, 40.2241**.

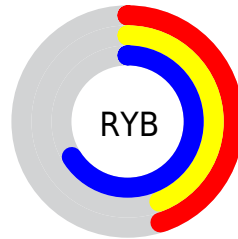
Distribution



Red (45%)

Green (44%)

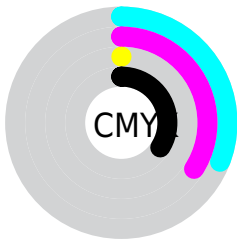
Blue (66%)



Red (45%)

Yellow (44%)

Blue (66%)

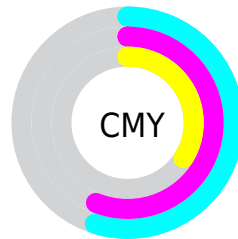


Cyan (31%)

Magenta (34%)

Yellow (0%)

Black (34%)



Cyan (55%)

Magenta (56%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9548, 17.9090, 39.4508 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 19.9548, 17.9090, 39.4508 by changing the saturation by 10% instead.

■ 19.9548, 17.9090,
39.4508

■ 19.9548, 17.9090,
39.4508

244.5085,
240.3576, 359.2863

■ 12.4703, 10.8847,
26.8001

■ 42.8459, 39.8822,
75.5544

■ 7.1393, 5.9893,
17.1920

■ 58.9832, 55.5999,
99.8444

■ 3.5965, 2.8386,
10.2081

■ 78.7354, 74.9841,
128.8511

■ 1.4765, 1.0481,
5.4297

■ 102.4680, 98.4193,
162.9933

■ 0.3097, 0.0000,
2.4384

130.5462,
126.2899, 202.6893

■ 0.0000, 0.0000,
0.8073

163.3355,

■ 0.0000, 0.0000,

158.9802, 248.3578

0.0000

201.2012,
196.8746, 300.4173

■ 19.9548, 17.9090,
39.4508

■ 19.9548, 17.9090,
39.4508

■ 16.4193, 13.6166,
38.8089

■ 24.1724, 23.0655,
40.2241

■ 13.5282, 10.1391,
38.2901

■ 29.1035, 29.1278,
41.1344

■ 11.2431, 7.4253,
37.8867

■ 34.7797, 36.1371,
42.1881

■ 9.5203, 5.4175,
37.5900

■ 41.2301, 44.1317,
43.3913

■ 8.3108, 4.0498,
37.3897

■ 48.4825, 53.1478,
44.7493

■ 7.5565, 3.2434,
37.2738

■ 56.5631, 63.2194,
46.2674

■ 7.2607, 2.9266,
37.2283

■ 65.4968, 74.3794,
47.9507

■ 75.3079, 86.6590,
49.8038

■ 83.6782, 95.4063,
51.0510

Harmonies

Analogous

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



16.7262, 17.9090, 42.5758



19.9548, 17.9090, 39.4508



22.6611, 17.9090, 30.5371

Triad

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



19.9548, 17.9090, 39.4508



20.5331, 17.9090, 8.2200



11.6426, 17.9090, 18.6603

Complementary

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



19.9548, 17.9090, 39.4508



31.9763, 36.9397, 20.4843

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.



12.4058, 17.9090, 11.5054



19.9548, 17.9090, 39.4508



17.3212, 17.9090, 6.7658

Square

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



19.9548, 17.9090, 39.4508



23.0230, 17.9090, 12.5750



14.3916, 17.9090, 7.7503



12.1664, 17.9090, 28.5901

Rectangle

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



19.9548, 17.9090, 39.4508



23.6661, 17.9090, 23.6192



14.3916, 17.9090, 7.7503



11.7547, 17.9090, 15.8897

Sweetspot

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



19.9554, 17.9097, 39.4512



56.5074, 57.4134, 75.3287



26.7655, 32.4903, 41.9066



12.0223, 12.1510, 16.3639



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.



19.9554, 17.9097, 39.4512



31.0888, 26.2746, 70.6580



24.2981, 20.1484, 39.6545



7.1906, 7.3308, 9.4544



5.5030, 2.2203, 28.1140



0.1523, 0.0635, 0.6849

Inverse Universe

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



28.4441, 22.3386, 37.4628



49.0146, 35.6331, 66.1934



26.8238, 34.2835, 20.2431



7.8131, 7.6551, 9.3330



16.5625, 8.0337, 23.5714



0.4109, 0.1986, 0.6155

Previews

White Background



This preview shows how the XYZ color 19.9548, 17.9090, 39.4508 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 19.9548, 17.9090, 39.4508 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 19.9548, 17.9090, 39.4508

Background



This preview shows how black text looks on a background with the XYZ color 19.9548, 17.9090, 39.4508.

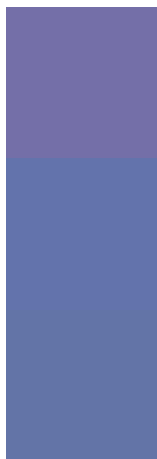


This preview shows how white text looks on a background with the XYZ color 19.9548, 17.9090,

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

19.9548, 17.9090, 39.4508

Protanopia

18.7227, 17.8927, 41.4966

Deuteranopia

18.3660, 17.9335, 39.0527



Tritanopia

16.6774, 17.9403, 23.0059

Trichromacy



Original Color

19.9548, 17.9090, 39.4508

Protanomaly

19.1937, 17.9782, 40.9866

Deuteranomaly

18.8181, 17.8279, 39.0085

Tritanomaly

17.7589, 17.8535, 28.4967

Monochromacy



Original Color

19.9548, 17.9090, 39.4508

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2320, 18.1485, 26.2090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9548, 17.9090, 39.4508 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(116, 111, 168)` looks like.

```
.text, #text, p{  
    color:rgb(116, 111, 168)  
}
```

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(116, 111, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 111, 168) }
```

Border

The CSS property to change the border of an element to XYZ 19.9548, 17.9090, 39.4508 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(116, 111, 168) }
```


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

```
.border{ border-color:rgb(116, 111, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 111, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 111, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 111, 168);  
box-shadow:4px 4px 4px 4px rgb(116, 111,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9548, 17.9090, 39.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 111, 168) }
```

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

```
.background{ background-color: rgb(116,  
111, 168) }
```

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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