

Converting Colors

XYZ(20.2996, 18.1309, 18.6241)

Have a look what the booklet for
XYZ(20.2996, 18.1309, 18.6241)
contains.

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Color

**XYZ(20.3111, 18.0739,
18.6378)**

Conversions

Conversions Part 1

Format	Color
Hex	926C73
RGB	146, 108, 115
RGB Percent	57%, 42%, 45%
CMY	0.4275, 0.5765, 0.5490
CMYK	0.00, 0.26, 0.21, 0.43
HSL	349°, 15%, 50%
HSV	349°, 26%, 57%
XYZ	20.3111, 18.0739, 18.6378
YIQ	120.1600, 20.4010, 10.2330

Conversions

Conversions Part 2

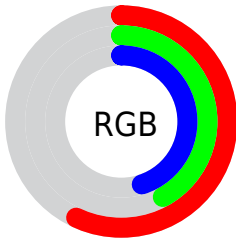
Format	Color
R_{YB}	146, 108, 115
Decimal	9596019
CIE Lab	49.59, 16.23, 2.03
CIE LCh	50, 16.359, 7.133
Yxy	18.0739, 0.3562, 0.3170
Android (android.graphics.Color)	4287786099 (0xFF926C73)
YUV	120.1600, -2.5439, 22.6617
Hunter-Lab	42.5134, 10.8812, 3.7668

Details

The XYZ color **20.3111, 18.0739, 18.6378** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1241, 25.6104, 28.2571**, and the grayscale version is **17.9075, 18.8401, 20.5169**.

A 20% lighter version of the original color is **43.6333, 40.3491, 42.0477**, and **7.3483, 6.0699, 6.0945** is the 20% darker color. If you saturate the color by 10%, you get **18.2566, 14.9918, 14.7870**, and if you desaturate by 10%, it is **22.7130, 21.7088, 23.0418**.

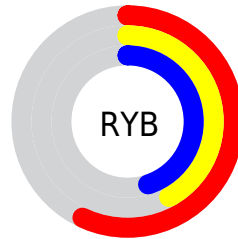
Distribution



Red (57%)

Green (42%)

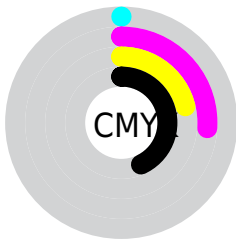
Blue (45%)



Red (57%)

Yellow (42%)

Blue (45%)

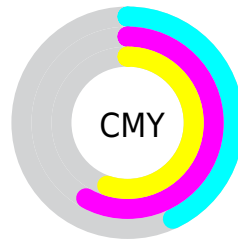


Cyan (0%)

Magenta (26%)

Yellow (21%)

Black (43%)



Cyan (43%)

Magenta (58%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3111, 18.0739, 18.6378 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 20.3111, 18.0739, 18.6378 by changing the saturation by 10% instead.

■ 20.3111, 18.0739,
18.6378

■ 20.3111, 18.0739,
18.6378

246.3959,
241.2873, 256.7976

■ 12.7310, 11.0031,
11.2347

■ 43.4381, 40.1632,
41.9497

■ 7.3193, 6.0689,
6.1088

■ 59.7157, 55.9505,
58.6955

■ 3.7107, 2.8870,
2.8415

■ 79.6232, 75.4120,
79.3927

■ 1.5398, 1.0730,
1.0143

■ 103.5259, 98.9321,
104.4598

■ 0.3527, 0.0000,
0.0000

131.7891,
126.8954, 134.3153

■ 0.0000, 0.0000,
0.0000

164.7783,

159.6860, 169.3777

202.8588,
197.6885, 210.0656

■ 20.3111, 18.0739,
18.6378

■ 20.3111, 18.0739,
18.6378

■ 18.2566, 14.9918,
14.7870

■ 22.7130, 21.7088,
23.0418

■ 16.5320, 12.4331,
11.4664

■ 25.4761, 25.9192,
28.0188

■ 15.1200, 10.3692,
8.6527

■ 28.6149, 30.7296,
33.5887

■ 14.0016, 8.7680,
6.3207

■ 32.1430, 36.1621,
39.7703

■ 13.1555, 7.5934,
4.4428

■ 36.0732, 42.2381,
46.5815

■ 12.5573, 6.8040,
2.9886

■ 40.4176, 48.9775,
54.0396

■ 12.1727, 6.3392,
1.9217

■ 45.1880, 56.3997,
62.1609

■ 12.0506, 6.1896,
1.5896

■ 50.3955, 64.5231,
70.9616

■ 56.0510, 73.3655,
80.4568

Harmonies

Analogous

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



20.0757, 18.0739, 23.1885



20.3111, 18.0739, 18.6378



19.6677, 18.0739, 14.9606

Triad

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



20.3111, 18.0739, 18.6378



15.4405, 18.0739, 13.6253



16.0456, 18.0739, 28.6449

Complementary

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



20.3111, 18.0739, 18.6378



21.1241, 25.6104, 28.2571

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.



14.9091, 18.0739, 25.2988



20.3111, 18.0739, 18.6378



14.5747, 18.0739, 16.5435

Square

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



20.3111, 18.0739, 18.6378



16.8110, 18.0739, 12.3628



14.3861, 18.0739, 20.7591



17.5517, 18.0739, 29.4292

Rectangle

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



20.3111, 18.0739, 18.6378



18.8485, 18.0739, 13.3419



14.3861, 18.0739, 20.7591



15.6105, 18.0739, 27.7604

Sweetspot

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



20.3116, 18.0747, 18.6382



43.8461, 44.0496, 47.4653



21.0990, 18.2388, 29.6026



9.6000, 9.5643, 10.2827



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.3116, 18.0747, 18.6382



33.7275, 28.7222, 28.9561



21.2059, 20.4835, 17.0244



5.8418, 5.8318, 6.2733



10.6110, 5.4495, 1.4327



0.1380, 0.0699, 0.0602

Inverse Universe

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



20.3116, 18.0747, 18.6382



33.7275, 28.7222, 28.9561



19.9815, 22.4806, 30.4802



5.8418, 5.8318, 6.2733



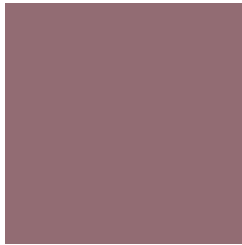
10.6110, 5.4495, 1.4327



0.1380, 0.0699, 0.0602

Previews

White Background



This preview shows how the XYZ color 20.3111, 18.0739, 18.6378 looks on a white background.

Color Contrast Check

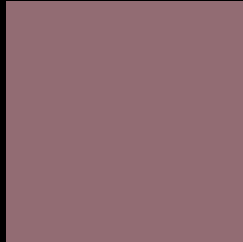
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3111, 18.0739, 18.6378 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 20.3111, 18.0739, 18.6378

Background



This preview shows how black text looks on a background with the XYZ color 20.3111, 18.0739, 18.6378.



This preview shows how white text looks on a background with the XYZ color 20.3111, 18.0739,

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

20.3111, 18.0739, 18.6378

Protanopia

17.6143, 18.3060, 20.3743

Deuteranopia

18.4146, 18.0748, 18.4378



Tritanopia

20.3690, 18.0971, 18.9425

Trichromacy



Original Color

20.3111, 18.0739, 18.6378

Protanomaly

18.3406, 18.0098, 19.6491

Deuteranomaly

18.9848, 18.0375, 18.4006

Tritanomaly

20.3690, 18.0971, 18.9425

Monochromacy



Original Color

20.3111, 18.0739, 18.6378

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5687, 18.4659, 19.7251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3111, 18.0739, 18.6378 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(146, 108, 115)` looks like.

```
.text, #text, p{  
    color:rgb(146, 108, 115)  
}
```

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(146, 108, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 108, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.3111, 18.0739, 18.6378 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(146, 108, 115) }
```


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

```
.border{ border-color:rgb(146, 108, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 108, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 108, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 108, 115);  
box-shadow:4px 4px 4px 4px rgb(146, 108,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3111, 18.0739, 18.6378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 108, 115) }
```

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

```
.background{ background-color: rgb(146,  
108, 115) }
```

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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