

Converting Colors

XYZ(19.2233, 22.9758, 19.8794)

Have a look what the booklet for
XYZ(19.2233, 22.9758, 19.8794)
contains.

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Color

**XYZ(19.3111, 23.0827,
19.9606)**

Conversions

Conversions Part 1

Format	Color
Hex	738A74
RGB	115, 138, 116
RGB Percent	45%, 54%, 45%
CMY	0.5490, 0.4588, 0.5451
CMYK	0.17, 0.00, 0.16, 0.46
HSL	123°, 9%, 50%
HSV	123°, 17%, 54%
XYZ	19.3111, 23.0827, 19.9606
YIQ	128.6150, -6.6460, -11.7180

Conversions

Conversions Part 2

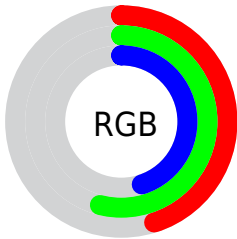
Format	Color
R_{YB}	115, 137, 138
Decimal	7572084
CIE Lab	55.16, -12.77, 9.07
CIE LCh	55, 15.666, 144.619
Yxy	23.0827, 0.3097, 0.3702
Android (android.graphics.Color)	4285762164 (0xFF738A74)
YUV	128.6150, -6.2192, -11.9404
Hunter-Lab	48.0445, -12.3311, 8.9984

Details

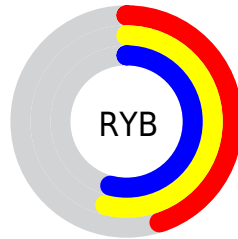
The XYZ color **19.3111, 23.0827, 19.9606** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.1281, 19.4715, 26.3128**, and the grayscale version is **20.7549, 21.8357, 23.7791**.

A 20% lighter version of the original color is **41.6350, 48.3042, 44.1750**, and **6.8479, 8.5901, 6.7660** is the 20% darker color. If you saturate the color by 10%, you get **16.9164, 21.9314, 16.1212**, and if you desaturate by 10%, it is **22.0879, 24.4197, 24.3885**.

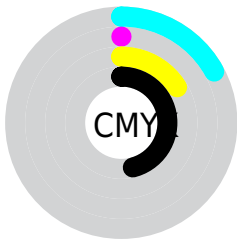
Distribution



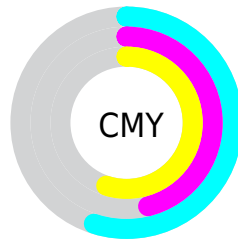
- Red (45%)
- Green (54%)
- Blue (45%)



- Red (45%)
- Yellow (54%)
- Blue (54%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (46%)



- Cyan (55%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3111, 23.0827, 19.9606 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 19.3111, 23.0827, 19.9606 by changing the saturation by 10% instead.

■ 19.3111, 23.0827,
19.9606

■ 19.3111, 23.0827,
19.9606

241.0661,
268.1495, 264.2989

■ 12.0006, 14.6546,
12.1826

■ 41.7719, 48.5291,
44.2092

■ 6.8163, 8.5773,
6.7441

■ 57.6530, 66.3161,
61.5169

■ 3.3928, 4.4665,
3.2266

■ 77.1217, 87.9916,
82.8383

■ 1.3647, 1.9378,
1.2115

■ 100.5433,
113.9400, 108.5919

■ 0.2309, 0.5710,
0.0000

128.2832,
144.5455, 139.1962

■ 0.0000, 0.0000,
0.0000

160.7067,

180.1927, 175.0698

198.1793,
221.2659, 216.6312

■ 19.3111, 23.0827,
19.9606

■ 19.3111, 23.0827,
19.9606

■ 16.9164, 21.9314,
16.1212

■ 22.0879, 24.4197,
24.3885

■ 14.8854, 20.9548,
12.8441

■ 25.2605, 25.9470,
29.4265

■ 13.2007, 20.1452,
10.1033

■ 28.8442, 27.6727,
35.0972

■ 11.8431, 19.4933,
7.8704

■ 32.8531, 29.6036,
41.4214

■ 10.7913, 18.9889,
6.1140

■ 37.3004, 31.7460,
48.4191

■ 10.0216, 18.6204,
4.7997

■ 42.1990, 34.1061,
56.1092

■ 9.5066, 18.3746,
3.8880

■ 47.5609, 36.6899,
64.5101

■ 9.2034, 18.2303,
3.3324

■ 53.3979, 39.5030,
73.6395

■ 9.1218, 18.1909,
3.2027

■ 59.7214, 42.5508,
83.5143

Harmonies

Analogous

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



20.5686, 23.0827, 17.3573



19.3111, 23.0827, 19.9606



18.7598, 23.0827, 24.2410

Triad

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



19.3111, 23.0827, 19.9606



21.6257, 23.0827, 35.9886



25.1396, 23.0827, 21.3320

Complementary

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



19.3111, 23.0827, 19.9606



21.1281, 19.4715, 26.3128

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.



25.4594, 23.0827, 26.0468



19.3111, 23.0827, 19.9606



23.3699, 23.0827, 34.9410

Square

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



19.3111, 23.0827, 19.9606



20.0499, 23.0827, 33.8283



24.7960, 23.0827, 31.1300



23.9440, 23.0827, 18.0723

Rectangle

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



19.3111, 23.0827, 19.9606



18.8447, 23.0827, 27.6422



24.7960, 23.0827, 31.1300



25.3557, 23.0827, 22.7807

Sweetspot

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



19.3117, 23.0837, 19.9611



39.7581, 43.4398, 44.3011



22.5388, 24.7540, 19.8101



8.8452, 9.7085, 9.8215



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.3117, 23.0837, 19.9611



32.3742, 39.8863, 32.5194



20.0076, 23.3620, 23.6254



4.9801, 5.6115, 5.4162



8.3645, 16.6784, 2.9439



0.0566, 0.1112, 0.0248

Inverse Universe

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



21.1281, 19.4715, 26.3128



36.1981, 32.2814, 45.8908



20.3614, 19.1648, 22.2752



5.2246, 5.1253, 6.2713



13.4298, 6.4821, 20.5657



0.0906, 0.0436, 0.1437

Previews

White Background



This preview shows how the XYZ color 19.3111, 23.0827, 19.9606 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 19.3111, 23.0827, 19.9606 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 19.3111, 23.0827, 19.9606

Background



This preview shows how black text looks on a background with the XYZ color 19.3111, 23.0827, 19.9606.



This preview shows how white text looks on a background with the XYZ color 19.3111, 23.0827,

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

19.3111, 23.0827, 19.9606

Protanopia

21.5782, 22.8281, 18.8918

Deuteranopia

23.2538, 22.8763, 20.3295



Tritanopia

21.3817, 23.0876, 30.1175

Trichromacy



Original Color

19.3111, 23.0827, 19.9606

Protanomaly

20.7683, 23.0109, 19.2665

Deuteranomaly

21.6437, 22.8353, 20.0965

Tritanomaly

20.4383, 22.9007, 25.8973

Monochromacy



Original Color

19.3111, 23.0827, 19.9606

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.2015, 22.2429, 22.2973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3111, 23.0827, 19.9606 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(115, 138, 116)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 116)  
}
```

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(115, 138, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 116) }
```

Border

The CSS property to change the border of an element to XYZ 19.3111, 23.0827, 19.9606 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(115, 138, 116) }
```


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

```
.border{ border-color:rgb(115, 138, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 138, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 138, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 138, 116);  
box-shadow:4px 4px 4px 4px rgb(115, 138,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3111, 23.0827, 19.9606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 116) }
```

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

```
.background{ background-color: rgb(115,  
138, 116) }
```

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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