

Converting Colors

XYZ(23.8894, 19.8916, 21.2336)

Have a look what the booklet for
XYZ(23.8894, 19.8916, 21.2336)
contains.

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Color

**XYZ(23.8380, 19.8366,
21.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	A26C7B
RGB	162, 108, 123
RGB Percent	64%, 42%, 48%
CMY	0.3647, 0.5765, 0.5176
CMYK	0.00, 0.33, 0.24, 0.36
HSL	343°, 22%, 53%
HSV	343°, 33%, 64%
XYZ	23.8380, 19.8366, 21.3113
YIQ	125.8560, 27.3690, 16.1130

Conversions

Conversions Part 2

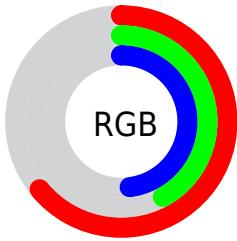
Format	Color
R_{YB}	162, 108, 123
Decimal	10644603
CIE _{Lab}	51.65, 23.71, 0.52
CIE _{LCh}	52, 23.719, 1.255
Yxy	19.8366, 0.3668, 0.3052
Android (android.graphics.Color)	4288834683 (0xFFA26C7B)
YUV	125.8560, -1.4080, 31.6983
Hunter-Lab	44.5383, 17.5956, 2.8069

Details

The XYZ color **23.8380, 19.8366, 21.3113** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.3720, 31.1359, 32.3307**, and the grayscale version is **19.7809, 20.8111, 22.6632**.

A 20% lighter version of the original color is **49.2221, 43.1422, 46.2904**, and **9.1586, 6.9773, 7.3426** is the 20% darker color. If you saturate the color by 10%, you get **21.5963, 16.4562, 17.1637**, and if you desaturate by 10%, it is **26.4858, 23.8889, 26.0267**.

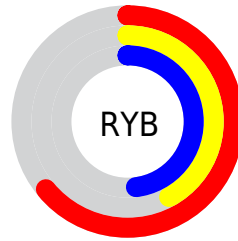
Distribution



Red (64%)

Green (42%)

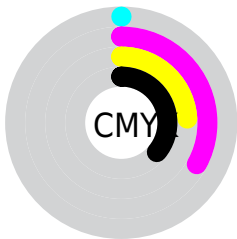
Blue (48%)



Red (64%)

Yellow (42%)

Blue (48%)

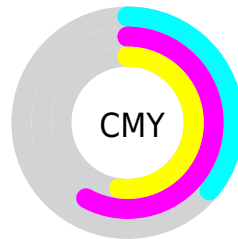


Cyan (0%)

Magenta (33%)

Yellow (24%)

Black (36%)



Cyan (36%)


Magenta (58%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8380, 19.8366, 21.3113 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 23.8380, 19.8366, 21.3113 by changing the saturation by 10% instead.


 23.8380, 19.8366,
21.3113


 23.8380, 19.8366,
21.3113


264.4561,
251.0292, 271.7635


 15.3376, 12.2763,
13.1583


 49.2223, 43.1431,
46.4925


 9.1445, 6.9322,
7.4056


 66.8369, 59.6580,
64.3579

 4.8934, 3.4197,
3.6348


 88.2203, 79.9267,
86.2977

 2.2190, 1.3546,
1.4272

 113.7378,
104.3334, 112.7306

 0.7527, 0.1829,
0.1628

143.7548,
133.2627, 144.0751

 0.0000, 0.0000,
0.0000

178.6366,

167.0988, 180.7497

218.7486,
206.2261, 223.1730

■ 23.8380, 19.8366,
21.3113

■ 23.8380, 19.8366,
21.3113

■ 21.5963, 16.4562,
17.1637

■ 26.4858, 23.8889,
26.0267

■ 19.7385, 13.7083,
13.5607

■ 29.5573, 28.6439,
31.3294

■ 18.2424, 11.5540,
10.4791

■ 33.0709, 34.1339,
37.2397


■ 17.0830, 9.9486,
7.8934


■ 37.0436, 40.3885,
43.7763


■ 16.2320, 8.8413,
5.7759


■ 41.4913, 47.4355,
50.9572


 15.6557, 8.1714,
4.0957

 46.4292, 55.3014,
58.7995

 15.3738, 7.8708,
3.1908

 51.8719, 64.0114,
67.3198

 57.8332, 73.5898,
76.5341

 64.3265, 84.0596,
86.4578

Harmonies

Analogous

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



23.1825, 19.8366, 28.5752



23.8380, 19.8366, 21.3113



23.0670, 19.8366, 15.4580

Triad

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



23.8380, 19.8366, 21.3113



16.5663, 19.8366, 12.1793



16.7269, 19.8366, 35.3336

Complementary

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



23.8380, 19.8366, 21.3113



24.3720, 31.1359, 32.3307

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.



15.1882, 19.8366, 29.1820



23.8380, 19.8366, 21.3113



15.1011, 19.8366, 15.8615

Square

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



23.8380, 19.8366, 21.3113



18.7535, 19.8366, 10.9221



14.6183, 19.8366, 21.8886



18.9551, 19.8366, 37.6316

Rectangle

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



23.8380, 19.8366, 21.3113



21.8826, 19.8366, 12.8656



14.6183, 19.8366, 21.8886



16.1188, 19.8366, 33.5916

Sweetspot

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



23.8386, 19.8375, 21.3117



55.5745, 54.9845, 60.1255



23.8638, 19.5102, 36.6906



12.2962, 12.0600, 13.1898



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.8386, 19.8375, 21.3117



40.1843, 31.3395, 32.9980



24.2882, 22.1259, 17.1792



7.1509, 7.1168, 7.7808



12.1281, 6.2073, 2.5994



0.2738, 0.1380, 0.1546

Inverse Universe

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



23.8386, 19.8375, 21.3117



40.1843, 31.3395, 32.9980



23.6609, 27.7060, 38.2832



7.1509, 7.1168, 7.7808



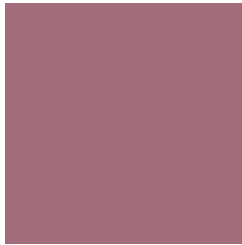
12.1281, 6.2073, 2.5994



0.2738, 0.1380, 0.1546

Previews

White Background



This preview shows how the XYZ color 23.8380, 19.8366, 21.3113 looks on a white background.

Color Contrast Check

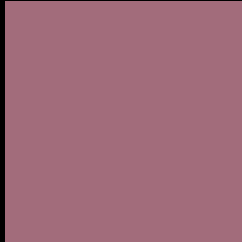
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8380, 19.8366, 21.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

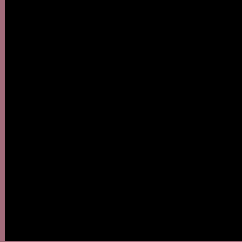
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8380, 19.8366, 21.3113

Background



This preview shows how black text looks on a background with the XYZ color 23.8380, 19.8366, 21.3113.



This preview shows how white text looks on a background with the XYZ color 23.8380, 19.8366,

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

23.8380, 19.8366, 21.3113

Protanopia

19.4162, 20.0428, 24.6751

Deuteranopia

20.2014, 19.8084, 20.8478



Tritanopia

23.3775, 19.7987, 19.4190

Trichromacy



Original Color

23.8380, 19.8366, 21.3113

Protanomaly

20.7574, 19.8602, 23.5082

Deuteranomaly

21.3206, 19.6864, 21.0885

Tritanomaly

23.4964, 19.8463, 20.0451

Monochromacy



Original Color

23.8380, 19.8366, 21.3113

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.9460, 20.1633, 22.1900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8380, 19.8366, 21.3113 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(162, 108, 123)` looks like.

```
.text, #text, p{  
    color:rgb(162, 108, 123)  
}
```

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(162, 108, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 108, 123) }
```

Border

The CSS property to change the border of an element to XYZ 23.8380, 19.8366, 21.3113 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(162, 108, 123) }
```


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

```
.border{ border-color:rgb(162, 108, 123) }
```

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

Here you see how a box with a 4 pixel rgb(162, 108, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 108, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 108, 123);  
box-shadow:4px 4px 4px 4px rgb(162, 108,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8380, 19.8366, 21.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 108, 123) }
```

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

```
.background{ background-color: rgb(162,  
108, 123) }
```

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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