

Converting Colors

XYZ(23.1392, 18.7899, 16.2352)

Have a look what the booklet for
XYZ(23.1392, 18.7899, 16.2352)
contains.

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Color

**XYZ(23.2300, 18.8690,
16.3277)**

Conversions

Conversions Part 1

Format	Color
Hex	A6676B
RGB	166, 103, 107
RGB Percent	65%, 40%, 42%
CMY	0.3490, 0.5961, 0.5804
CMYK	0.00, 0.38, 0.36, 0.35
HSL	356°, 26%, 53%
HSV	356°, 38%, 65%
XYZ	23.2300, 18.8690, 16.3277
YIQ	122.2930, 36.2640, 14.6000

Conversions

Conversions Part 2

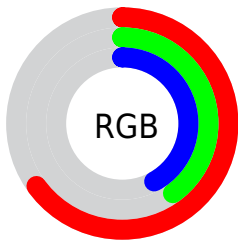
Format	Color
R_{YB}	166, 103, 107
Decimal	10905451
CIE _{Lab}	50.53, 25.83, 8.46
CIE _{LCh}	51, 27.180, 18.130
Yxy	18.8690, 0.3976, 0.3230
Android (android.graphics.Color)	4289095531 (0xFFA6676B)
YUV	122.2930, -7.5394, 38.3310
Hunter-Lab	43.4385, 19.4408, 8.1209

Details

The XYZ color **23.2300, 18.8690, 16.3277** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.7522, 32.7651, 39.1511**, and the grayscale version is **18.6105, 19.5797, 21.3223**.

A 20% lighter version of the original color is **48.3243, 41.5993, 37.8302**, and **8.8639, 6.5034, 5.0631** is the 20% darker color. If you saturate the color by 10%, you get **20.9941, 15.5905, 11.9033**, and if you desaturate by 10%, it is **25.9418, 22.8637, 21.6367**.

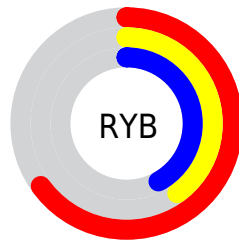
Distribution



Red (65%)

Green (40%)

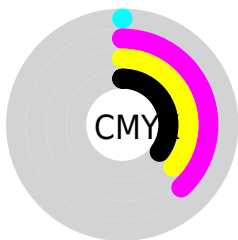
Blue (42%)



Red (65%)

Yellow (40%)

Blue (42%)

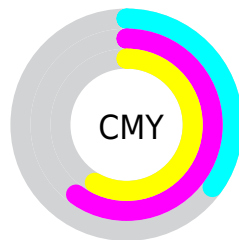


Cyan (0%)

Magenta (38%)

Yellow (36%)

Black (35%)



Cyan (35%)


Magenta (60%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2300, 18.8690, 16.3277 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 23.2300, 18.8690, 16.3277 by changing the saturation by 10% instead.


 23.2300, 18.8690,
16.3277


 23.2300, 18.8690,
16.3277


261.4175,
245.7246, 243.1791


 14.8851, 11.5757,
9.5995


 48.2346, 41.5126,
37.9409


 8.8245, 6.4554,
5.0321


 65.6250, 57.6317,
53.6629

 4.6831, 3.1239,
2.2070

 86.7612, 77.4615,
73.2199

 2.0954, 1.1968,
0.6784

 112.0086,
101.3863, 97.0305

 0.6867, 0.0591,
0.0000

141.7326,
129.7907, 125.5131

 0.0000, 0.0000,
0.0000

176.2985,

163.0589, 159.0864

216.0717,
201.5754, 198.1689

■ 23.2300, 18.8690,
16.3277

■ 23.2300, 18.8690,
16.3277

■ 20.9941, 15.5905,
11.9033

■ 25.9418, 22.8637,
21.6367

■ 19.2052, 12.9834,
8.3144

■ 29.1532, 27.6107,
27.8736

■ 17.8335, 11.0020,
5.5087


■ 32.8881, 33.1467,
35.0801


■ 16.8453, 9.5937,
3.4278

■ 37.1684, 39.5053,
43.2952


■ 16.2012, 8.6975,
2.0047


■ 42.0148, 46.7183,
52.5557

 15.8403, 8.2119,
1.1557

 47.4469, 54.8156,
62.8964

 15.7837, 8.1301,
1.0400

 53.4834, 63.8258,
74.3506

 60.1421, 73.7762,
86.9503

 67.4401, 84.6928,
100.7260

Harmonies

Analogous

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



23.4017, 18.8690, 23.6978



23.2300, 18.8690, 16.3277



21.5576, 18.8690, 11.4763

Triad

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



23.2300, 18.8690, 16.3277



14.3990, 18.8690, 12.2582



16.9059, 18.8690, 38.4063

Complementary

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



23.2300, 18.8690, 16.3277



25.7522, 32.7651, 39.1511

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.



14.7418, 18.8690, 33.4514



23.2300, 18.8690, 16.3277



13.3928, 18.8690, 17.6853

Square

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



23.2300, 18.8690, 16.3277



16.3940, 18.8690, 9.5571



13.5118, 18.8690, 25.4326



19.5684, 18.8690, 37.7834

Rectangle

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



23.2300, 18.8690, 16.3277



19.9017, 18.8690, 9.7541



13.5118, 18.8690, 25.4326



16.1012, 18.8690, 37.2961

Sweetspot

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



23.2305, 18.8699, 16.3281



57.3754, 56.7264, 59.2120



26.5934, 20.1150, 38.5575



12.6400, 12.3985, 12.8658



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.



23.2305, 18.8699, 16.3281



38.5060, 28.8859, 22.4068



26.1973, 25.1322, 16.3034



7.5497, 7.5497, 7.9459



12.2461, 6.3071, 0.8414



0.3038, 0.1558, 0.0512

Inverse Universe

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



23.2305, 18.8699, 16.3281



38.5060, 28.8859, 22.4068



21.6665, 24.0160, 39.5701



7.5497, 7.5497, 7.9459



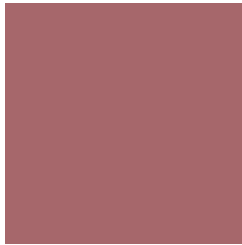
12.2461, 6.3071, 0.8414



0.3038, 0.1558, 0.0512

Previews

White Background



This preview shows how the XYZ color 23.2300, 18.8690, 16.3277 looks on a white background.

Color Contrast Check

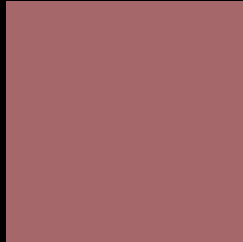
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2300, 18.8690, 16.3277 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 23.2300, 18.8690, 16.3277

Background



This preview shows how black text looks on a background with the XYZ color 23.2300, 18.8690, 16.3277.



This preview shows how white text looks on a background with the XYZ color 23.2300, 18.8690,

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

23.2300, 18.8690, 16.3277

Protanopia

18.1810, 18.9790, 19.2281

Deuteranopia

19.2764, 18.9140, 15.9994



Tritanopia

23.3906, 18.9333, 17.1735

Trichromacy



Original Color

23.2300, 18.8690, 16.3277

Protanomaly

19.6454, 18.7158, 18.1999

Deuteranomaly

20.4987, 18.7054, 16.1658

Tritanomaly

23.3364, 18.9116, 16.8883

Monochromacy



Original Color

23.2300, 18.8690, 16.3277

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.8229, 18.9491, 19.4424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2300, 18.8690, 16.3277 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(166, 103, 107)` looks like.

```
.text, #text, p{  
    color:rgb(166, 103, 107)  
}
```

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(166, 103, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 103, 107) }
```

Border

The CSS property to change the border of an element to XYZ 23.2300, 18.8690, 16.3277 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(166, 103, 107) }
```


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

```
.border{ border-color:rgb(166, 103, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 103, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 103, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 103, 107);  
box-shadow:4px 4px 4px 4px rgb(166, 103,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2300, 18.8690, 16.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 103, 107) }
```

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

```
.background{ background-color: rgb(166,  
103, 107) }
```

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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