

Converting Colors

XYZ(24.1580, 16.3403, 33.3885)

Have a look what the booklet for
XYZ(24.1580, 16.3403, 33.3885)
contains.

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Color

**XYZ(24.1983, 16.3733,
33.3375)**

Conversions

Conversions Part 1

Format	Color
Hex	A3539C
RGB	163, 83, 156
RGB Percent	64%, 33%, 61%
CMY	0.3608, 0.6745, 0.3882
CMYK	0.00, 0.49, 0.04, 0.36
HSL	305°, 33%, 48%
HSV	305°, 49%, 64%
XYZ	24.1983, 16.3733, 33.3375
YIQ	115.2420, 24.2470, 39.6630

Conversions

Conversions Part 2

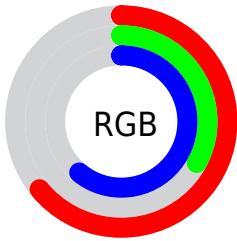
Format	Color
R _Y B	163, 83, 156
Decimal	10703772
CIE Lab	47.46, 43.36, -25.38
CIE LCh	47, 50.245, 329.654
Yxy	16.3733, 0.3274, 0.2215
Android (android.graphics.Color)	4288893852 (0xFFA3539C)
YUV	115.2420, 20.0937, 41.8838
Hunter-Lab	40.4639, 35.9349, -20.5232

Details

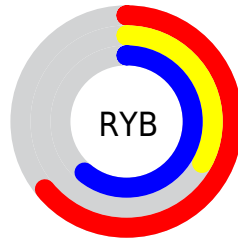
The XYZ color **24.1983, 16.3733, 33.3375** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.5107, 28.7723, 14.2518**, and the grayscale version is **16.3053, 17.1545, 18.6812**.

A 20% lighter version of the original color is **49.9370, 37.2467, 66.1854**, and **9.2954, 5.2307, 13.6164** is the 20% darker color. If you saturate the color by 10%, you get **22.9748, 14.1181, 32.3373**, and if you desaturate by 10%, it is **25.7175, 19.2169, 34.4436**.

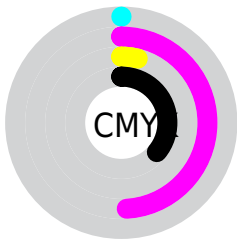
Distribution



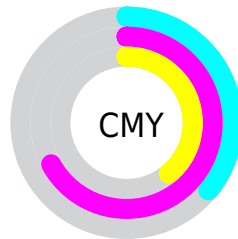
- Red (64%)
- Green (33%)
- Blue (61%)



- Red (64%)
- Yellow (33%)
- Blue (61%)



- Cyan (0%)
- Magenta (49%)
- Yellow (4%)
- Black (36%)





- Cyan (36%)
- Magenta (67%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1983, 16.3733, 33.3375 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 24.1983, 16.3733, 33.3375 by changing the saturation by 10% instead.


 24.1983, 16.3733,
33.3375


 24.1983, 16.3733,
33.3375


266.2434,
231.5345, 331.8463


 15.6063, 9.7887,
22.1119


 49.8059, 37.2451,
66.0242


 9.3351, 5.2591,
13.7400


 67.5523, 52.3010,
88.3223


 5.0192, 2.4001,
7.8034


 89.0808, 70.9495,
115.1483

 2.2934, 0.8259,
3.8834

 114.7569, 93.5750,
146.9209

 0.7913, 0.0000,
1.5616

 144.9458,
120.5619, 184.0584

 0.0000, 0.0000,
0.2632

180.0129,

 0.0000, 0.0000,

152.2945, 226.9794

0.0000

220.3237,
189.1572, 276.1026

■ 24.1983, 16.3733,
33.3375

■ 24.1983, 16.3733,
33.3375

■ 22.9748, 14.1181,
32.3373

■ 25.7175, 19.2169,
34.4436

■ 22.0244, 12.4073,
31.4350

■ 27.5496, 22.6844,
35.6608

■ 21.3242, 11.1945,
30.6231

■ 29.7125, 26.8110,
36.9953

■ 20.8464, 10.4244,
29.8922

■ 32.2220, 31.6288,
38.4524

■ 20.5351, 9.9850,
29.2237

■ 35.0932, 37.1675,
40.0372

■ 20.5083, 9.9482,
29.1630

■ 38.3401, 43.4555,
41.7543

■ 41.9761, 50.5193,
43.6083

■ 46.0139, 58.3843,
45.6034

■ 50.4655, 67.0746,
47.7436

Harmonies

Analogous

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



20.2026, 16.3733, 48.8220



24.1983, 16.3733, 33.3375



25.8096, 16.3733, 17.9764

Triad

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



24.1983, 16.3733, 33.3375



15.6142, 16.3733, 2.8196



9.2361, 16.3733, 32.9492

Complementary

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



24.1983, 16.3733, 33.3375



18.5107, 28.7723, 14.2518

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.



8.4655, 16.3733, 17.6799



24.1983, 16.3733, 33.3375



11.6933, 16.3733, 3.8687

Square

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



24.1983, 16.3733, 33.3375



20.3095, 16.3733, 3.9225



9.2727, 16.3733, 8.0756



11.6193, 16.3733, 48.5324

Rectangle

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



24.1983, 16.3733, 33.3375



25.1161, 16.3733, 10.7773



9.2727, 16.3733, 8.0756



8.8027, 16.3733, 27.4300

Sweetspot

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



24.1988, 16.3740, 33.3378



54.8449, 51.1453, 67.2198



13.8889, 10.9886, 36.0399



12.1217, 11.1107, 14.9819



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.



24.1988, 16.3740, 33.3378



40.9507, 24.9293, 57.7406



21.3700, 15.2425, 18.4414



7.3375, 7.1914, 8.7635



15.9470, 7.7348, 22.7091



0.3424, 0.1654, 0.5155

Inverse Universe

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



24.1988, 16.3740, 33.3378



40.9507, 24.9293, 57.7406



20.6721, 29.6368, 25.6337



7.3375, 7.1914, 8.7635



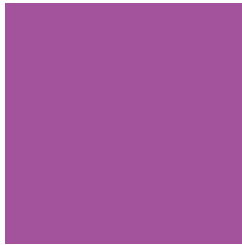
15.9470, 7.7348, 22.7091



0.3424, 0.1654, 0.5155

Previews

White Background



This preview shows how the XYZ color 24.1983, 16.3733, 33.3375 looks on a white background.

Color Contrast Check

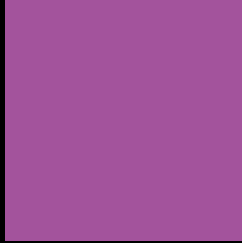
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1983, 16.3733, 33.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

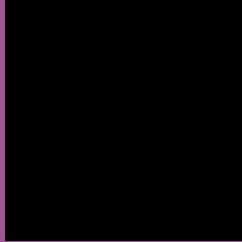
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1983, 16.3733, 33.3375

Background



This preview shows how black text looks on a background with the XYZ color 24.1983, 16.3733, 33.3375.



This preview shows how white text looks on a background with the XYZ color 24.1983, 16.3733,

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

24.1983, 16.3733, 33.3375

Protanopia

17.8456, 16.6983, 44.9303

Deuteranopia

16.8639, 16.4868, 31.5716



Tritanopia

20.4450, 16.3318, 14.9067

Trichromacy



Original Color

24.1983, 16.3733, 33.3375

Protanomaly

19.0746, 15.8925, 40.5903

Deuteranomaly

18.8609, 15.9672, 32.2249

Tritanomaly

21.5520, 16.2582, 20.4146

Monochromacy



Original Color

24.1983, 16.3733, 33.3375

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.3952, 16.2177, 23.2799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1983, 16.3733, 33.3375 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(163, 83, 156)` looks like.

```
.text, #text, p{  
    color:rgb(163, 83, 156)  
}
```

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(163, 83, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 83, 156) }
```

Border

The CSS property to change the border of an element to XYZ 24.1983, 16.3733, 33.3375 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(163, 83, 156) }
```


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

```
.border{ border-color:rgb(163, 83, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 83, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 83, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 83, 156);  
box-shadow:4px 4px 4px 4px rgb(163, 83,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1983, 16.3733, 33.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 83, 156) }
```

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

```
.background{ background-color: rgb(163, 83,  
156) }
```

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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