

Converting Colors

XYZ(23.8269, 16.9843, 34.8253)

Have a look what the booklet for
XYZ(23.8269, 16.9843, 34.8253)
contains.

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Color

**XYZ(23.8188, 16.9836,
34.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	9D5A9F
RGB	157, 90, 159
RGB Percent	62%, 35%, 62%
CMY	0.3843, 0.6470, 0.3765
CMYK	0.01, 0.43, 0.00, 0.38
HSL	298°, 28%, 49%
HSV	298°, 43%, 62%
XYZ	23.8188, 16.9836, 34.8237
YIQ	117.8990, 17.7830, 35.6630

Conversions

Conversions Part 2

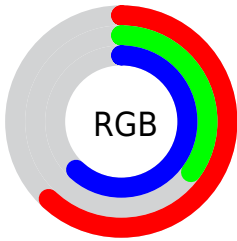
Format	Color
R_{YB}	157, 90, 159
Decimal	10312351
CIE _{Lab}	48.24, 38.34, -26.02
CIE _{LCh}	48, 46.332, 325.840
Yxy	16.9836, 0.3150, 0.2246
Android (android.graphics.Color)	4288502431 (0xFF9D5A9F)
YUV	117.8990, 20.2628, 34.2916
Hunter-Lab	41.2112, 31.0480, -21.2526

Details

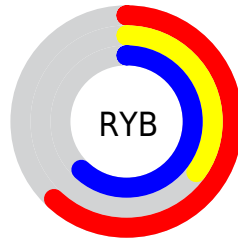
The XYZ color **23.8188, 16.9836, 34.8237** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.6578, 27.8102, 14.0582**, and the grayscale version is **17.1235, 18.0153, 19.6187**.

A 20% lighter version of the original color is **49.2512, 38.3472, 68.4243**, and **9.1216, 5.5222, 14.4950** is the 20% darker color. If you saturate the color by 10%, you get **22.5289, 14.5366, 34.4196**, and if you desaturate by 10%, it is **25.3971, 20.0061, 35.3242**.

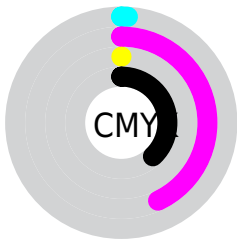
Distribution



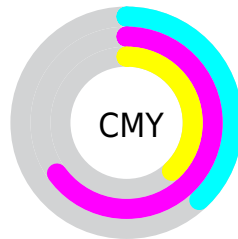
- Red (62%)
- Green (35%)
- Blue (62%)



- Red (62%)
- Yellow (35%)
- Blue (62%)



- Cyan (1%)
- Magenta (43%)
- Yellow (0%)
- Black (38%)





- Cyan (38%)
- Magenta (65%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8188, 16.9836, 34.8237 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 23.8188, 16.9836, 34.8237 by changing the saturation by 10% instead.


 23.8188, 16.9836,
34.8237


 23.8188, 16.9836,
34.8237


264.3606,
235.0779, 338.6701


 15.3233, 10.2228,
23.2446


 49.1912, 38.2976,
68.3610


 9.1344, 5.5469,
14.5673


 66.7987, 53.6195,
91.1564

 4.8867, 2.5716,
8.3730


 88.1743, 72.5640,
118.5276

 2.2150, 0.9124,
4.2434

 113.6834, 95.5154,
150.8931

 0.7506, 0.0000,
1.7598

143.6911,
122.8581, 188.6716

 0.0000, 0.0000,
0.4012

178.5630,

 0.0000, 0.0000,

154.9764, 232.2816

0.0000

218.6644,
192.2549, 282.1416

■ 23.8188, 16.9836,
34.8237

■ 23.8188, 16.9836,
34.8237

■ 22.5289, 14.5366,
34.4196

■ 25.3971, 20.0061,
35.3242

■ 21.5071, 12.6257,
34.1046

■ 27.2788, 23.6354,
35.9255

■ 20.7335, 11.2107,
33.8723

■ 29.4802, 27.9033,
36.6333

■ 20.1844, 10.2442,
33.7147

■ 32.0156, 32.8388,
37.4523

■ 19.8317, 9.6700,
33.6224

■ 34.8986, 38.4691,
38.3871

■ 19.6594, 9.4119,
33.5817

■ 38.1420, 44.8198,
39.4420

■ 41.7582, 51.9153,
40.6209

■ 45.7585, 59.7788,
41.9279

■ 50.1542, 68.4324,
43.3665

Harmonies

Analogous

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



19.9381, 16.9836, 48.2295



23.8188, 16.9836, 34.8237



25.6480, 16.9836, 20.2275

Triad

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



23.8188, 16.9836, 34.8237



16.7374, 16.9836, 3.6603



9.8926, 16.9836, 30.5634

Complementary

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



23.8188, 16.9836, 34.8237



18.6578, 27.8102, 14.0582

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.



9.3343, 16.9836, 16.8592



23.8188, 16.9836, 34.8237



12.8619, 16.9836, 4.4824

Square

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



23.8188, 16.9836, 34.8237



21.1333, 16.9836, 5.1693



10.3228, 16.9836, 8.2825



12.0065, 16.9836, 45.1094

Rectangle

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



23.8188, 16.9836, 34.8237



25.2601, 16.9836, 12.8537



10.3228, 16.9836, 8.2825



9.5344, 16.9836, 25.5773

Sweetspot

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



23.8194, 16.9844, 34.8241



52.8583, 50.0931, 65.6265



14.3283, 12.3840, 34.4363



11.7184, 10.9079, 14.7315



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.8194, 16.9844, 34.8241



40.4310, 26.1920, 61.6681



21.7725, 16.2110, 21.9926



6.8851, 6.7448, 8.3457



15.5339, 7.4370, 26.5240



0.2831, 0.1357, 0.4745

Inverse Universe

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



19.8865, 15.4567, 12.0612



32.4931, 23.1161, 15.3864



20.1404, 28.3805, 22.8946



6.6405, 6.6491, 6.9578



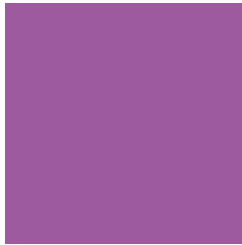
11.3158, 5.8309, 0.6479



0.2044, 0.1051, 0.0222

Previews

White Background



This preview shows how the XYZ color 23.8188, 16.9836, 34.8237 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 23.8188, 16.9836, 34.8237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

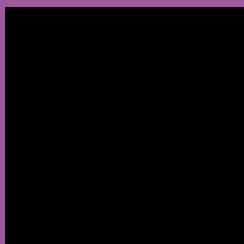
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8188, 16.9836, 34.8237

Background



This preview shows how black text looks on a background with the XYZ color 23.8188, 16.9836, 34.8237.



This preview shows how white text looks on a background with the XYZ color 23.8188, 16.9836,

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

23.8188, 16.9836, 34.8237

Protanopia

18.3546, 17.2999, 44.4913

Deuteranopia

17.5304, 17.1199, 33.3909



Tritanopia

20.1765, 16.9908, 16.6841

Trichromacy



Original Color

23.8188, 16.9836, 34.8237

Protanomaly

19.6047, 16.7564, 40.7291

Deuteranomaly

19.2207, 16.7144, 33.6657

Tritanomaly

21.2423, 16.8540, 22.2122

Monochromacy



Original Color

23.8188, 16.9836, 34.8237

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.1119, 17.3241, 24.5269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8188, 16.9836, 34.8237 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(157, 90, 159)` looks like.

```
.text, #text, p{  
    color:rgb(157, 90, 159)  
}
```

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(157, 90, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 90, 159) }
```

Border

The CSS property to change the border of an element to XYZ 23.8188, 16.9836, 34.8237 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(157, 90, 159) }
```


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

```
.border{ border-color:rgb(157, 90, 159) }
```

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

Here you see how a box with a 4 pixel rgb(157, 90, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 90, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 90, 159);  
box-shadow:4px 4px 4px 4px rgb(157, 90,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8188, 16.9836, 34.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 90, 159) }
```

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

```
.background{ background-color: rgb(157, 90,  
159) }
```

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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