

Converting Colors

XYZ(16.2476, 13.8100, 18.9174)

Have a look what the booklet for
XYZ(16.2476, 13.8100, 18.9174)
contains.

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Color

**XYZ(16.2376, 13.8038,
18.9481)**

Conversions

Conversions Part 1

Format	Color
Hex	815D76
RGB	129, 93, 118
RGB Percent	51%, 36%, 46%
CMY	0.4941, 0.6353, 0.5373
CMYK	0.00, 0.28, 0.09, 0.49
HSL	318°, 16%, 44%
HSV	318°, 28%, 51%
XYZ	16.2376, 13.8038, 18.9481
YIQ	106.6140, 13.4310, 15.4070

Conversions

Conversions Part 2

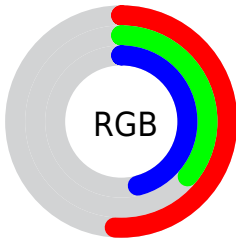
Format	Color
R_{YB}	129, 93, 118
Decimal	8478070
CIE _{Lab}	43.95, 19.03, -8.30
CIE _{LCh}	44, 20.761, 336.442
Yxy	13.8038, 0.3315, 0.2818
Android (android.graphics.Color)	4286668150 (0xFF815D76)
YUV	106.6140, 5.6133, 19.6325
Hunter-Lab	37.1535, 12.9933, -4.2302

Details

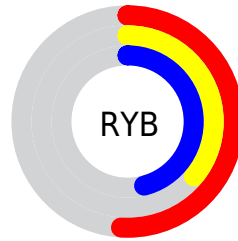
The XYZ color **16.2376, 13.8038, 18.9481** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.8637, 19.0275, 15.9868**, and the grayscale version is **13.8511, 14.5724, 15.8694**.

A 20% lighter version of the original color is **36.5204, 32.7939, 42.4352**, and **5.3069, 4.0585, 6.2980** is the 20% darker color. If you saturate the color by 10%, you get **14.9702, 11.6358, 17.3940**, and if you desaturate by 10%, it is **17.7067, 16.3590, 20.6180**.

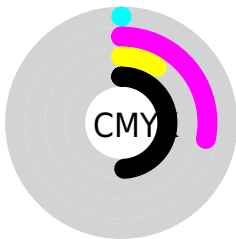
Distribution



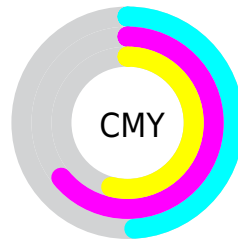
- Red (51%)
- Green (36%)
- Blue (46%)



- Red (51%)
- Yellow (36%)
- Blue (46%)



- Cyan (0%)
- Magenta (28%)
- Yellow (9%)
- Black (49%)



- Cyan (49%)
- Magenta (64%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2376, 13.8038, 18.9481 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 16.2376, 13.8038, 18.9481 by changing the saturation by 10% instead.

■ 16.2376, 13.8038,
18.9481

■ 16.2376, 13.8038,
18.9481

223.9826,
216.0068, 258.5753

■ 9.7844, 7.9843,
11.4563

■ 36.5643, 32.7405,
42.4819

■ 5.3174, 4.0849,
6.2566

■ 51.1685, 46.6265,
59.3611

■ 2.4713, 1.7212,
2.9305

■ 69.2204, 63.9702,
80.2064

■ 0.8808, 0.4373,
1.0592

■ 91.0853, 85.1559,
105.4365

■ 0.0000, 0.0000,
0.0000

117.1287,
110.5680, 135.4699

147.7157,

140.5909, 170.7251

183.2119,
175.6091, 211.6207

■ 16.2376, 13.8038,
18.9481

■ 16.2376, 13.8038,
18.9481

■ 14.9702, 11.6358,
17.3940

■ 17.7067, 16.3590,
20.6180

■ 13.8934, 9.8340,
15.9510

■ 19.3852, 19.3174,
22.4065

■ 12.9973, 8.3780,
14.6154

■ 21.2820, 22.6964,
24.3172

■ 12.2701, 7.2450,
13.3827

■ 23.4052, 26.5117,
26.3533

■ 11.6990, 6.4091,
12.2478

■ 25.7622, 30.7784,
28.5180

■ 11.2689, 5.8405,
11.2053

■ 28.3602, 35.5107,
30.8140

■ 10.9455, 5.4710,
10.2430

■ 31.2063, 40.7222,
33.2444

■ 10.8810, 5.3982,
10.0481

■ 34.3070, 46.4260,
35.8117

■ 37.6686, 52.6347,
38.5187

Harmonies

Analogous

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



15.0896, 13.8038, 23.5564



16.2376, 13.8038, 18.9481



16.5200, 13.8038, 14.0366

Triad

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



16.2376, 13.8038, 18.9481



12.7685, 13.8038, 7.7072



10.7370, 13.8038, 21.0771

Complementary

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



16.2376, 13.8038, 18.9481



14.8637, 19.0275, 15.9868

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.



10.2219, 13.8038, 16.0692



16.2376, 13.8038, 18.9481



11.3299, 13.8038, 8.8581

Square

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



16.2376, 13.8038, 18.9481



14.4250, 13.8038, 8.1628



10.4296, 13.8038, 11.6931



11.8963, 13.8038, 24.9542

Rectangle

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



16.2376, 13.8038, 18.9481



16.1602, 13.8038, 11.3471



10.4296, 13.8038, 11.6931



10.4874, 13.8038, 19.4343

Sweetspot

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



16.2380, 13.8044, 18.9484



34.6241, 34.4330, 40.0313



13.5631, 12.3455, 22.4371



7.7428, 7.6270, 8.9629



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.2380, 13.8044, 18.9484



27.7035, 22.3598, 32.2740



15.2780, 13.4204, 13.8932



4.4439, 4.3907, 5.1423



10.6109, 5.2641, 9.8068



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.2380, 13.8044, 18.9484



27.7035, 22.3598, 32.2740



15.8654, 19.4282, 21.2616



4.4439, 4.3907, 5.1423



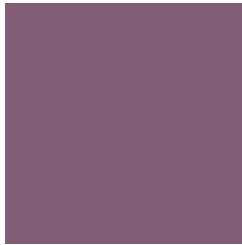
10.6109, 5.2641, 9.8068



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.2376, 13.8038, 18.9481 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 16.2376, 13.8038, 18.9481 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 16.2376, 13.8038, 18.9481

Background



This preview shows how black text looks on a background with the XYZ color 16.2376, 13.8038, 18.9481.



This preview shows how white text looks on a background with the XYZ color 16.2376, 13.8038,

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

16.2376, 13.8038, 18.9481

Protanopia

13.8074, 13.8905, 21.3554

Deuteranopia

14.1127, 13.8195, 18.4466



Tritanopia

15.3834, 13.8570, 14.6958

Trichromacy



Original Color

16.2376, 13.8038, 18.9481

Protanomaly

14.5302, 13.7083, 20.2925

Deuteranomaly

14.7810, 13.7327, 18.7013

Tritanomaly

15.7011, 13.8563, 16.0344

Monochromacy



Original Color

16.2376, 13.8038, 18.9481

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.6908, 14.2953, 17.0239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2376, 13.8038, 18.9481 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(129, 93, 118)` looks like.

```
.text, #text, p{  
    color:rgb(129, 93, 118)  
}
```

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(129, 93, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 93, 118) }
```

Border

The CSS property to change the border of an element to XYZ 16.2376, 13.8038, 18.9481 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(129, 93, 118) }
```


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

```
.border{ border-color:rgb(129, 93, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 93, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 93, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 93, 118); box-shadow:4px 4px 4px 4px rgb(129, 93, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2376, 13.8038, 18.9481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 93, 118) }
```

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

```
.background{ background-color: rgb(129, 93,  
118) }
```

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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