

Converting Colors

$Y_{xy}(18.7917, 0.3369, 0.2687)$

Have a look what the booklet for
Yxy(18.7917, 0.3369, 0.2687)
contains.

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Color

Yxy(18.7917, 0.3369, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	9D678D
RGB	157, 103, 141
RGB Percent	62%, 40%, 55%
CMY	0.3843, 0.5960, 0.4471
CMYK	0.00, 0.34, 0.10, 0.38
HSL	318°, 22%, 51%
HSV	318°, 34%, 62%
XYZ	23.5613, 18.7917, 27.5826
YIQ	123.4780, 19.9860, 23.2660

Conversions

Conversions Part 2

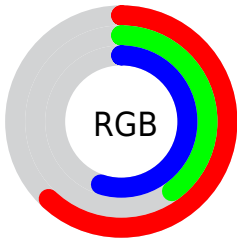
Format	Color
R _Y B	157, 103, 141
Decimal	10315661
CIE Lab	50.44, 27.70, -11.99
CIE LCh	50, 30.186, 336.593
Yxy	18.7917, 0.3369, 0.2687
Android (android.graphics.Color)	4288505741 (0xFF9D678D)
YUV	123.4780, 8.6383, 29.3988
Hunter-Lab	43.3494, 21.1571, -7.3808

Details

The Yxy color $18.7917, 0.3369, 0.2687$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.3280, 0.2950, 0.3983$, and the grayscale version is $19.9399, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.3799, 0.3311, 0.2812$, and $6.4910, 0.3460, 0.2473$ is the 20% darker color. If you saturate the color by 10%, you get $15.8213, 0.3464, 0.2513$, and if you desaturate by 10%, it is $22.3560, 0.3286, 0.2866$.

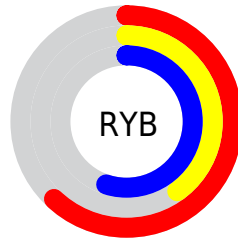
Distribution



Red (62%)

Green (40%)

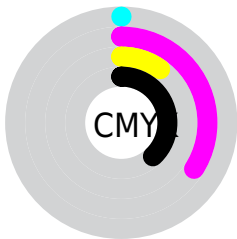
Blue (55%)



Red (62%)

Yellow (40%)

Blue (55%)

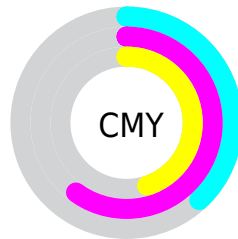


Cyan (0%)

Magenta (34%)

Yellow (10%)

Black (38%)



Cyan (38%)


Magenta (60%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7917, 0.3369, 0.2687 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 Yxy color 18.7917, 0.3369, 0.2687 by changing the saturation by 10% instead.

 18.7917, 0.3369,
0.2687


 18.7917, 0.3369,
0.2687


245.2964, 0.3237,
0.3018


 11.5199, 0.3406,
0.2593


 41.3818, 0.3318,
0.2815


 6.4176, 0.3456,
0.2465


 57.4689, 0.3300,
0.2861

 3.1007, 0.3528,
0.2280

 77.2632, 0.3285,
0.2899

 1.1845, 0.3637,
0.1992

 101.1491, 0.3272,
0.2930

 0.0490, 0.4345,
0.0295

129.5109, 0.3262,
0.2957

 0.0000, 0.0000,
0.0000

162.7332, 0.3252,

0.2980

201.2002, 0.3244,
0.3001

■ 18.7917, 0.3369,
0.2687

■ 18.7917, 0.3369,
0.2687

■ 15.8213, 0.3464,
0.2513

■ 22.3560, 0.3286,
0.2866

■ 13.4093, 0.3569,
0.2353

■ 26.5421, 0.3213,
0.3044

■ 11.5204, 0.3684,
0.2217


■ 31.3791, 0.3151,
0.3217


■ 10.1140, 0.3805,
0.2114


■ 36.8936, 0.3099,
0.3381

■ 9.1437, 0.3928,
0.2053

■ 43.1107, 0.3054,
0.3535


 8.5528, 0.4050,
0.2039

 50.0541, 0.3017,
0.3677

 8.3035, 0.4119,
0.2043

 57.7466, 0.2986,
0.3809

 66.2098, 0.2960,
0.3930

 75.4645, 0.2939,
0.4041

Harmonies

Analogous

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



18.7917, 0.2799, 0.2452



18.7917, 0.3369, 0.2687



18.7917, 0.3913, 0.3054

Triad

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



18.7917, 0.3369, 0.2687



18.7917, 0.3892, 0.4247



18.7917, 0.2134, 0.2928

Complementary

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



18.7917, 0.3369, 0.2687



28.3280, 0.2950, 0.3983

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.



18.7917, 0.2374, 0.3481



18.7917, 0.3369, 0.2687



18.7917, 0.3378, 0.4318

Square

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



18.7917, 0.3369, 0.2687



18.7917, 0.4216, 0.3922



18.7917, 0.2822, 0.4029



18.7917, 0.2132, 0.2550

Rectangle

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



18.7917, 0.3369, 0.2687



18.7917, 0.4161, 0.3342



18.7917, 0.2822, 0.4029



18.7917, 0.2188, 0.3098

Sweetspot

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



18.7926, 0.3369, 0.2687



51.0275, 0.3186, 0.3118



16.0091, 0.2694, 0.2338



10.9856, 0.3194, 0.3095



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.7926, 0.3369, 0.2687



29.6204, 0.3438, 0.2557



18.1006, 0.3738, 0.3099



6.7211, 0.3180, 0.3134



6.7513, 0.4110, 0.2038



0.1277, 0.3680, 0.1801

Inverse Universe

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



18.7926, 0.3369, 0.2687



29.6204, 0.3438, 0.2557



29.0494, 0.2740, 0.3494



6.7211, 0.3180, 0.3134



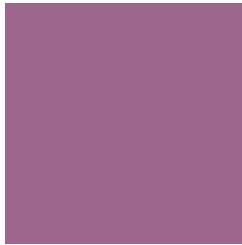
6.7513, 0.4110, 0.2038



0.1277, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 18.7917, 0.3369, 0.2687 looks on a white background.

Color Contrast Check

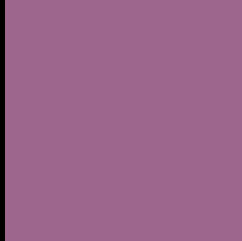
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.7917, 0.3369, 0.2687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

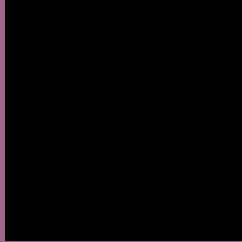
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7917, 0.3369, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 18.7917, 0.3369, 0.2687.



This preview shows how white text looks on a background with the Yxy color 18.7917, 0.3369, 0.2687.

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

18.7917, 0.3369, 0.2687

Protanopia

18.9054, 0.2699, 0.2693

Deuteranopia

18.8426, 0.2974, 0.2909



Tritanopia

18.8561, 0.3658, 0.3158

Trichromacy



Original Color

18.7917, 0.3369, 0.2687

Protanomaly

18.5376, 0.2911, 0.2678

Deuteranomaly

18.6867, 0.3111, 0.2821

Tritanomaly

18.7573, 0.3553, 0.2979

Monochromacy



Original Color

18.7917, 0.3369, 0.2687

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.2534, 0.3202, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7917, 0.3369, 0.2687 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, 103, 141)` looks like.

```
.text, #text, p{  
    color:rgb(157, 103, 141)  
}
```

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, 103, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 103, 141) }
```

Border

The CSS property to change the border of an element to Yxy 18.7917, 0.3369, 0.2687 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, 103, 141) }
```

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

```
.border{ border-color:rgb(157, 103, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 103, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 103, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 103, 141);  
box-shadow:4px 4px 4px 4px rgb(157, 103,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7917, 0.3369, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 103, 141) }
```

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

```
.background{ background-color: rgb(157,  
103, 141) }
```

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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