

Converting Colors

$Y_{xy}(18.3218, 0.3512, 0.2770)$

Have a look what the booklet for
Yxy(18.3218, 0.3512, 0.2770)
contains.

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Color

Yxy(18.3717, 0.3509, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	9F6585
RGB	159, 101, 133
RGB Percent	62%, 40%, 52%
CMY	0.3766, 0.6038, 0.4785
CMYK	0.00, 0.36, 0.16, 0.38
HSL	327°, 23%, 51%
HSV	327°, 36%, 62%
XYZ	23.1810, 18.3717, 24.5088
YIQ	121.9900, 24.2960, 22.2480

Conversions

Conversions Part 2

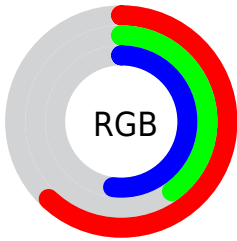
Format	Color
R _Y B	159, 101, 133
Decimal	10446213
CIE Lab	49.94, 28.15, -7.96
CIE LCh	50, 29.257, 344.203
Yxy	18.3717, 0.3509, 0.2781
Android (android.graphics.Color)	4288636293 (0xFF9F6585)
YUV	121.9900, 5.4279, 32.4578
Hunter-Lab	42.8622, 21.5284, -3.8987

Details

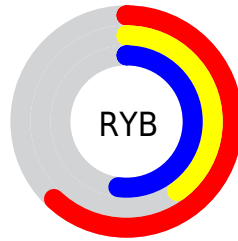
The Yxy color $18.3717, 0.3509, 0.2781$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.0886, 0.2870, 0.3866$, and the grayscale version is $19.4351, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.7747, 0.3428, 0.2895$, and $6.2349, 0.3667, 0.2605$ is the 20% darker color. If you saturate the color by 10%, you get $15.3872, 0.3659, 0.2642$, and if you desaturate by 10%, it is $21.9684, 0.3380, 0.2925$.

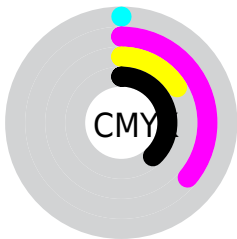
Distribution



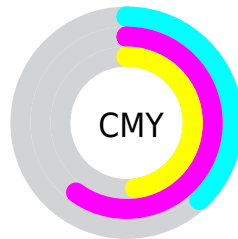
- Red (62%)
- Green (40%)
- Blue (52%)



- Red (62%)
- Yellow (40%)
- Blue (52%)



- Cyan (0%)
- Magenta (36%)
- Yellow (16%)
- Black (38%)





- Cyan (38%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3717, 0.3509, 0.2781 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 18.3717, 0.3509, 0.2781 by changing the saturation by 10% instead.


 18.3717, 0.3509,
0.2781


 18.3717, 0.3509,
0.2781


242.9579, 0.3294,
0.3064


 11.2172, 0.3573,
0.2699


 40.6697, 0.3424,
0.2892


 6.2131, 0.3662,
0.2586


 56.5819, 0.3394,
0.2931

 2.9751, 0.3795,
0.2419

 76.1822, 0.3370,
0.2963

 1.1187, 0.4014,
0.2153

 99.8549, 0.3350,
0.2990

 0.0000, 0.5533,
0.0000

127.9844, 0.3333,
0.3013

 0.0000, 0.0000,
0.0000

160.9552, 0.3318,

0.3032

199.1515, 0.3305,
0.3049

■ 18.3717, 0.3509,
0.2781

■ 18.3717, 0.3509,
0.2781

■ 15.3872, 0.3659,
0.2642

■ 21.9684, 0.3380,
0.2925

■ 12.9776, 0.3830,
0.2517

■ 26.2069, 0.3270,
0.3067

■ 11.1054, 0.4021,
0.2416


■ 31.1178, 0.3178,
0.3205

■ 9.7275, 0.4225,
0.2350


■ 36.7291, 0.3102,
0.3335

■ 8.7939, 0.4436,
0.2330

■ 43.0669, 0.3038,
0.3457


 8.2325, 0.4645,
0.2359

 50.1564, 0.2985,
0.3569

 8.0679, 0.4720,
0.2374

 58.0212, 0.2941,
0.3673

 66.6841, 0.2904,
0.3768

 76.1668, 0.2874,
0.3855

Harmonies

Analogous

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



18.3717, 0.2940, 0.2513



18.3717, 0.3509, 0.2781



18.3717, 0.4001, 0.3165

Triad

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



18.3717, 0.3509, 0.2781



18.3717, 0.3761, 0.4272



18.3717, 0.2132, 0.2824

Complementary

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



18.3717, 0.3509, 0.2781



29.0886, 0.2870, 0.3866

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.



18.3717, 0.2310, 0.3331



18.3717, 0.3509, 0.2781



18.3717, 0.3234, 0.4254

Square

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



18.3717, 0.3509, 0.2781



18.3717, 0.4136, 0.4006



18.3717, 0.2704, 0.3890



18.3717, 0.2189, 0.2508

Rectangle

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



18.3717, 0.3509, 0.2781



18.3717, 0.4194, 0.3453



18.3717, 0.2704, 0.3890



18.3717, 0.2166, 0.2975

Sweetspot

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



18.3726, 0.3509, 0.2781



51.4128, 0.3220, 0.3140



16.2592, 0.2763, 0.2300



11.3416, 0.3232, 0.3123



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.3726, 0.3509, 0.2781



28.3606, 0.3633, 0.2664



17.6970, 0.3922, 0.3229



6.7043, 0.3202, 0.3167



6.3828, 0.4703, 0.2365



0.1226, 0.3979, 0.1966

Inverse Universe

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



18.3726, 0.3509, 0.2781



28.3606, 0.3633, 0.2664



29.9264, 0.2656, 0.3355



6.7043, 0.3202, 0.3167



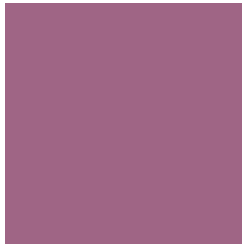
6.3828, 0.4703, 0.2365



0.1226, 0.3979, 0.1966

Previews

White Background



This preview shows how the Yxy color 18.3717, 0.3509, 0.2781 looks on a white background.

Color Contrast Check

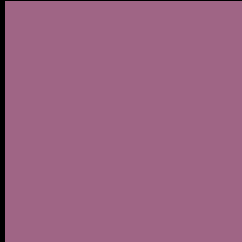
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3717, 0.3509, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

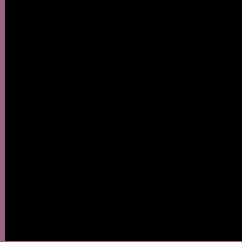
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3717, 0.3509, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 18.3717, 0.3509, 0.2781.



This preview shows how white text looks on a background with the Yxy color 18.3717, 0.3509, 0.2781.

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

18.3717, 0.3509, 0.2781

Protanopia

18.4812, 0.2785, 0.2809

Deuteranopia

18.5381, 0.3089, 0.3033



Tritanopia

18.4635, 0.3754, 0.3160

Trichromacy



Original Color

18.3717, 0.3509, 0.2781

Protanomaly

18.2276, 0.3024, 0.2793

Deuteranomaly

18.4108, 0.3235, 0.2940

Tritanomaly

18.5258, 0.3671, 0.3031

Monochromacy



Original Color

18.3717, 0.3509, 0.2781

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.6919, 0.3254, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3717, 0.3509, 0.2781 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(159, 101, 133)` looks like.

```
.text, #text, p{  
    color:rgb(159, 101, 133)  
}
```

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(159, 101, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 101, 133) }
```

Border

The CSS property to change the border of an element to Yxy 18.3717, 0.3509, 0.2781 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(159, 101, 133) }
```

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

```
.border{ border-color:rgb(159, 101, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 101, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 101, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 101, 133);  
box-shadow:4px 4px 4px 4px rgb(159, 101,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3717, 0.3509, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 101, 133) }
```

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

```
.background{ background-color: rgb(159,  
101, 133) }
```

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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