

Converting Colors

$Y_{xy}(18.0878, 0.3654, 0.2828)$

Have a look what the booklet for
Yxy(18.0878, 0.3654, 0.2828)
contains.

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Color

Yxy(18.0542, 0.3659, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	A3627F
RGB	163, 98, 127
RGB Percent	64%, 38%, 50%
CMY	0.3608, 0.6157, 0.5021
CMYK	0.00, 0.40, 0.22, 0.36
HSL	333°, 26%, 51%
HSV	333°, 40%, 64%
XYZ	23.3017, 18.0542, 22.3273
YIQ	120.7410, 29.4310, 22.7990

Conversions

Conversions Part 2

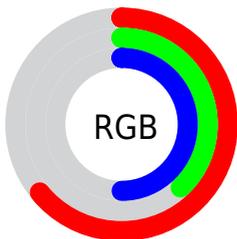
Format	Color
R_{YB}	163, 98, 127
Decimal	10707583
CIE _{Lab}	49.56, 30.34, -4.90
CIE _{LCh}	50, 30.734, 350.824
Yxy	18.0542, 0.3659, 0.2835
Android (android.graphics.Color)	4288897663 (0xFFA3627F)
YUV	120.7410, 3.0857, 37.0611
Hunter-Lab	42.4902, 23.5317, -1.4120

Details

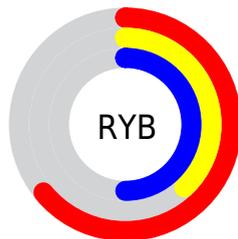
The Yxy color **18.0542, 0.3659, 0.2835** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.5142, 0.2797, 0.3803**, and the grayscale version is **19.0157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1680, 0.3532, 0.2934**, and **6.0617, 0.3893, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **15.0838, 0.3860, 0.2725**, and if you desaturate by 10%, it is **21.6686, 0.3488, 0.2952**.

Distribution



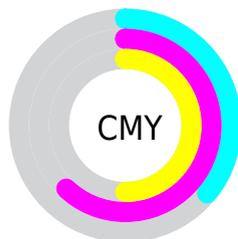
- Red (64%)
- Green (38%)
- Blue (50%)



- Red (64%)
- Yellow (38%)
- Blue (50%)



- Cyan (0%)
- Magenta (40%)
- Yellow (22%)
- Black (36%)



- Cyan (36%)
- Magenta (62%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0542, 0.3659, 0.2835 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 18.0542, 0.3659, 0.2835 by changing the saturation by 10% instead.

 18.0542, 0.3659,
0.2835

 18.0542, 0.3659,
0.2835

241.1764, 0.3355,
0.3091

 10.9889, 0.3751,
0.2759

 40.1297, 0.3538,
0.2936

 6.0594, 0.3881,
0.2654

 55.9086, 0.3496,
0.2972

 2.8812, 0.4079,
0.2497

 75.3609, 0.3461,
0.3001

 1.0700, 0.4415,
0.2239

 98.8709, 0.3433,
0.3025

 0.0000, 0.7056,
0.0000

126.8231, 0.3409,
0.3045

 0.0000, 0.0000,
0.0000

159.6018, 0.3388,

0.3063

197.5914, 0.3371,
0.3078

■ 18.0542, 0.3659,
0.2835

■ 18.0542, 0.3659,
0.2835

■ 15.0838, 0.3860,
0.2725

■ 21.6686, 0.3488,
0.2952

■ 12.7163, 0.4090,
0.2630

■ 25.9597, 0.3344,
0.3070

■ 10.9099, 0.4346,
0.2563

■ 30.9611, 0.3225,
0.3184

■ 9.6162, 0.4620,
0.2535

■ 36.7033, 0.3126,
0.3291

■ 8.7787, 0.4896,
0.2556

■ 43.2151, 0.3044,
0.3392

 8.2692, 0.5164,
0.2619

 50.5237, 0.2977,
0.3485

 8.2632, 0.5167,
0.2620

 58.6550, 0.2921,
0.3570

 67.6337, 0.2875,
0.3649

 77.4835, 0.2837,
0.3720

Harmonies

Analogous

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



18.0542, 0.3057, 0.2523



18.0542, 0.3659, 0.2835



18.0542, 0.4135, 0.3254

Triad

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



18.0542, 0.3659, 0.2835



18.0542, 0.3677, 0.4355



18.0542, 0.2075, 0.2702

Complementary

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



18.0542, 0.3659, 0.2835



30.5142, 0.2797, 0.3803

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.



18.0542, 0.2205, 0.3200



18.0542, 0.3659, 0.2835



18.0542, 0.3108, 0.4258

Square

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



18.0542, 0.3659, 0.2835



18.0542, 0.4123, 0.4120



18.0542, 0.2571, 0.3803



18.0542, 0.2187, 0.2425

Rectangle

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



18.0542, 0.3659, 0.2835



18.0542, 0.4288, 0.3558



18.0542, 0.2571, 0.3803



18.0542, 0.2091, 0.2846

Sweetspot

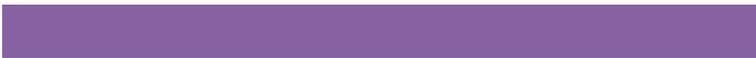
The Sweet Spot groups the original color and five complimentary colors.



18.0551, 0.3659, 0.2835



53.2267, 0.3251, 0.3157



16.4292, 0.2810, 0.2222



11.7015, 0.3265, 0.3143



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



18.0551, 0.3659, 0.2835



27.4875, 0.3839, 0.2735



18.0259, 0.4080, 0.3345



7.1360, 0.3218, 0.3190



6.4308, 0.5145, 0.2608



0.1446, 0.4294, 0.2139

Inverse Universe

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



18.0551, 0.3659, 0.2835



27.4875, 0.3839, 0.2735



30.2972, 0.2580, 0.3233



7.1360, 0.3218, 0.3190



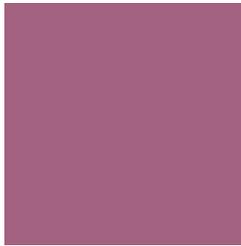
6.4308, 0.5145, 0.2608



0.1446, 0.4294, 0.2139

Previews

White Background



This preview shows how the Yxy color 18.0542, 0.3659, 0.2835 looks on a white background.

Color Contrast Check

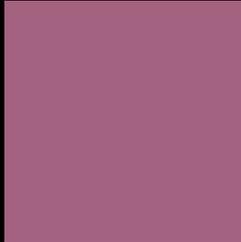
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.0542, 0.3659, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

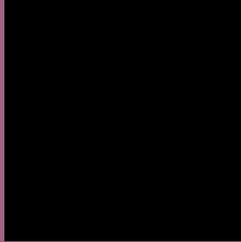
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0542, 0.3659, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 18.0542, 0.3659, 0.2835.



This preview shows how white text looks on a background with the Yxy color 18.0542, 0.3659, 0.2835.

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

18.0542, 0.3659, 0.2835

Protanopia

18.1641, 0.2846, 0.2878

Deuteranopia

18.2287, 0.3174, 0.3123



Tritanopia

17.9886, 0.3888, 0.3163

Trichromacy



Original Color

18.0542, 0.3659, 0.2835

Protanomaly

17.8067, 0.3109, 0.2844

Deuteranomaly

17.9934, 0.3342, 0.3009

Tritanomaly

18.0567, 0.3801, 0.3036

Monochromacy



Original Color

18.0542, 0.3659, 0.2835

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.4746, 0.3307, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0542, 0.3659, 0.2835 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, 98, 127)` looks like.

```
.text, #text, p{  
    color:rgb(163, 98, 127)  
}
```

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, 98, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 98, 127) }
```

Border

The CSS property to change the border of an element to Yxy 18.0542, 0.3659, 0.2835 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, 98, 127) }
```

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

```
.border{ border-color:rgb(163, 98, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 98, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 98, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 98, 127);  
box-shadow:4px 4px 4px 4px rgb(163, 98,  
127) }
```

Background

The CSS property to change the background color of an element to $\text{Yxy } 18.0542, 0.3659, 0.2835$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 98, 127) }
```

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

```
.background{ background-color: rgb(163, 98,  
127) }
```

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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