

Converting Colors

$Y_{xy}(18.7857, 0.3647, 0.2870)$

Have a look what the booklet for
Yxy(18.7857, 0.3647, 0.2870)
contains.

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Color

Yxy(18.7584, 0.3648, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	A46580
RGB	164, 101, 128
RGB Percent	64%, 40%, 50%
CMY	0.3569, 0.6039, 0.4980
CMYK	0.00, 0.38, 0.22, 0.36
HSL	334°, 26%, 52%
HSV	334°, 38%, 64%
XYZ	23.8601, 18.7584, 22.7874
YIQ	122.9150, 28.8810, 21.7530

Conversions

Conversions Part 2

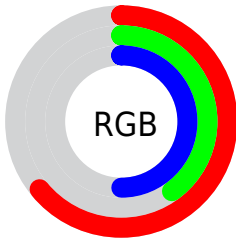
Format	Color
RYB	164, 101, 128
Decimal	10773888
CIELab	50.40, 29.19, -4.25
CIELCh	50, 29.501, 351.708
Yxy	18.7584, 0.3648, 0.2868
Android (android.graphics.Color)	4288963968 (0xFFA46580)
YUV	122.9150, 2.5069, 36.0315
Hunter-Lab	43.3110, 22.5416, -0.8768

Details

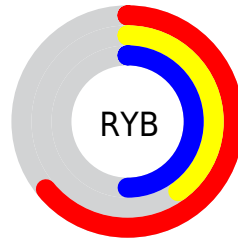
The Yxy color **18.7584, 0.3648, 0.2868** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.1238, 0.2799, 0.3762**, and the grayscale version is **19.7629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3343, 0.3526, 0.2959**, and **6.4000, 0.3873, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **15.6505, 0.3851, 0.2761**, and if you desaturate by 10%, it is **22.5264, 0.3475, 0.2981**.

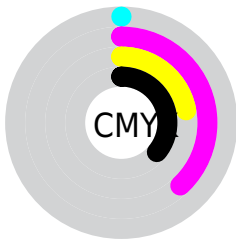
Distribution



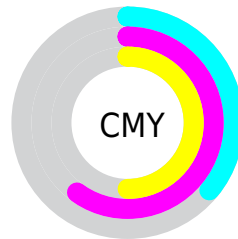
- Red (64%)
- Green (40%)
- Blue (50%)



- Red (64%)
- Yellow (40%)
- Blue (50%)



- Cyan (0%)
- Magenta (38%)
- Yellow (22%)
- Black (36%)



- Cyan (36%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7584, 0.3648, 0.2868 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 18.7584, 0.3648, 0.2868 by changing the saturation by 10% instead.


 18.7584, 0.3648,
0.2868


 18.7584, 0.3648,
0.2868


245.1117, 0.3352,
0.3105


 11.4958, 0.3737,
0.2798


 41.3255, 0.3530,
0.2961


 6.4014, 0.3863,
0.2701


 57.3987, 0.3489,
0.2994

 3.0906, 0.4054,
0.2557

 77.1777, 0.3455,
0.3021

 1.1792, 0.4376,
0.2321

 101.0468, 0.3428,
0.3043

 0.0447, 0.6590,
0.0390

129.3903, 0.3404,
0.3062

 0.0000, 0.0000,
0.0000

162.5927, 0.3384,

0.3079

201.0384, 0.3367,
0.3093

■ 18.7584, 0.3648,
0.2868

■ 18.7584, 0.3648,
0.2868

■ 15.6505, 0.3851,
0.2761

■ 22.5264, 0.3475,
0.2981

■ 13.1613, 0.4086,
0.2667

■ 26.9871, 0.3331,
0.3094

■ 11.2491, 0.4349,
0.2599


■ 32.1746, 0.3212,
0.3203

■ 9.8656, 0.4631,
0.2568


■ 38.1194, 0.3113,
0.3306

■ 8.9548, 0.4918,
0.2586

■ 44.8506, 0.3031,
0.3402


 8.4141, 0.5195,
0.2649

 52.3956, 0.2964,
0.3490

 8.3385, 0.5239,
0.2660

 60.7807, 0.2909,
0.3571

 70.0307, 0.2863,
0.3645

 80.1697, 0.2824,
0.3713

Harmonies

Analogous

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



18.7584, 0.3079, 0.2565



18.7584, 0.3648, 0.2868



18.7584, 0.4091, 0.3271

Triad

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



18.7584, 0.3648, 0.2868



18.7584, 0.3638, 0.4301



18.7584, 0.2124, 0.2723

Complementary

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



18.7584, 0.3648, 0.2868



31.1238, 0.2799, 0.3762

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.



18.7584, 0.2243, 0.3191



18.7584, 0.3648, 0.2868



18.7584, 0.3095, 0.4195

Square

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



18.7584, 0.3648, 0.2868



18.7584, 0.4065, 0.4092



18.7584, 0.2587, 0.3759



18.7584, 0.2238, 0.2463

Rectangle

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



18.7584, 0.3648, 0.2868



18.7584, 0.4230, 0.3563



18.7584, 0.2587, 0.3759



18.7584, 0.2137, 0.2859

Sweetspot

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



18.7593, 0.3648, 0.2868



54.6524, 0.3255, 0.3162



17.2816, 0.2837, 0.2267



11.6966, 0.3269, 0.3149



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.



18.7593, 0.3648, 0.2868



29.2059, 0.3818, 0.2776



18.9768, 0.4024, 0.3360



7.1340, 0.3221, 0.3194



6.4027, 0.5215, 0.2647



0.1439, 0.4341, 0.2165

Inverse Universe

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



18.7593, 0.3648, 0.2868



29.2059, 0.3818, 0.2776



30.5196, 0.2594, 0.3218



7.1340, 0.3221, 0.3194



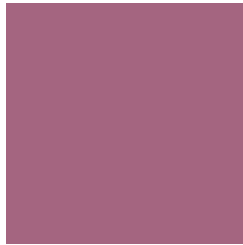
6.4027, 0.5215, 0.2647



0.1439, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 18.7584, 0.3648, 0.2868 looks on a white background.

Color Contrast Check

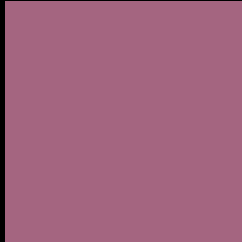
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7584, 0.3648, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

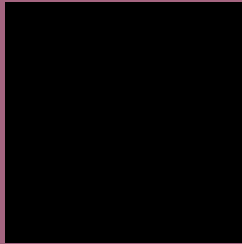
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7584, 0.3648, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 18.7584, 0.3648, 0.2868.



This preview shows how white text looks on a background with the Yxy color 18.7584, 0.3648, 0.2868.

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

18.7584, 0.3648, 0.2868

Protanopia

18.8690, 0.2872, 0.2903

Deuteranopia

18.9491, 0.3198, 0.3144



Tritanopia

18.7519, 0.3842, 0.3164

Trichromacy



Original Color

18.7584, 0.3648, 0.2868

Protanomaly

18.4342, 0.3121, 0.2867

Deuteranomaly

18.6260, 0.3352, 0.3030

Tritanomaly

18.7950, 0.3772, 0.3053

Monochromacy



Original Color

18.7584, 0.3648, 0.2868

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.1454, 0.3304, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7584, 0.3648, 0.2868 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(164, 101, 128)` looks like.

```
.text, #text, p{  
    color:rgb(164, 101, 128)  
}
```

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(164, 101, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 101, 128) }
```

Border

The CSS property to change the border of an element to Yxy 18.7584, 0.3648, 0.2868 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(164, 101, 128) }
```

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

```
.border{ border-color:rgb(164, 101, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 101, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 101, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 101, 128);  
box-shadow:4px 4px 4px 4px rgb(164, 101,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7584, 0.3648, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 101, 128) }
```

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

```
.background{ background-color: rgb(164,  
101, 128) }
```

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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