

Converting Colors

$Y_{xy}(19.8389, 0.3750, 0.2678)$

Have a look what the booklet for
Yxy(19.8389, 0.3750, 0.2678)
contains.

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Color

Yxy(19.8432, 0.3748, 0.2682)

Conversions

Conversions Part 1

Format	Color
Hex	B55F8A
RGB	181, 95, 138
RGB Percent	71%, 37%, 54%
CMY	0.2903, 0.6273, 0.4588
CMYK	0.00, 0.47, 0.24, 0.29
HSL	330°, 37%, 54%
HSV	330°, 47%, 71%
XYZ	27.7302, 19.8432, 26.4132
YIQ	125.6160, 37.4530, 31.6050

Conversions

Conversions Part 2

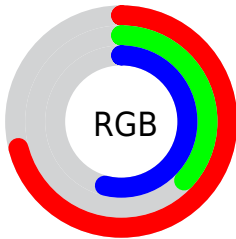
Format	Color
RYB	181, 95, 138
Decimal	11886474
CIELab	51.66, 39.98, -8.08
CIELCh	52, 40.793, 348.577
Yxy	19.8432, 0.3748, 0.2682
Android (android.graphics.Color)	4290076554 (0xFFB55F8A)
YUV	125.6160, 6.1053, 48.5718
Hunter-Lab	44.5457, 33.1631, -3.9738

Details

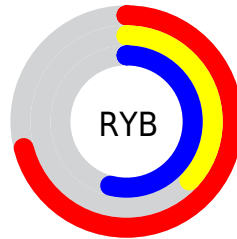
The Yxy color **19.8432, 0.3748, 0.2682** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **37.3041, 0.2777, 0.4011**, and the grayscale version is **20.6983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2921, 0.3619, 0.2819**, and **6.9416, 0.3997, 0.2463** is the 20% darker color. If you saturate the color by 10%, you get **16.7016, 0.3948, 0.2570**, and if you desaturate by 10%, it is **23.7659, 0.3573, 0.2809**.

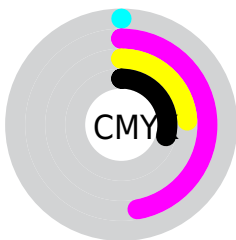
Distribution



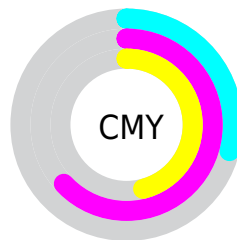
- Red (71%)
- Green (37%)
- Blue (54%)



- Red (71%)
- Yellow (37%)
- Blue (54%)



- Cyan (0%)
- Magenta (47%)
- Yellow (24%)
- Black (29%)





- Cyan (29%)
- Magenta (63%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8432, 0.3748, 0.2682 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 19.8432, 0.3748, 0.2682 by changing the saturation by 10% instead.


 19.8432, 0.3748,
0.2682


 19.8432, 0.3748,
0.2682


251.0650, 0.3401,
0.3015


 12.2811, 0.3849,
0.2588


 43.1541, 0.3612,
0.2810


 6.9354, 0.3988,
0.2461


 59.6718, 0.3564,
0.2856

 3.4218, 0.4193,
0.2279


 79.9434, 0.3525,
0.2894

 1.3557, 0.4523,
0.1998

 104.3534, 0.3492,
0.2926

 0.1837, 0.5564,
0.0859

133.2862, 0.3464,
0.2953

 0.0000, 1.0000,
0.0000

167.1261, 0.3440,

 0.0000, 0.0000,

0.2976

0.0000

206.2576, 0.3420,
0.2997

■ 19.8432, 0.3748,
0.2682

■ 19.8432, 0.3748,
0.2682

■ 16.7016, 0.3948,
0.2570

■ 23.7659, 0.3573,
0.2809

■ 14.2845, 0.4172,
0.2484

■ 28.5154, 0.3424,
0.2941

■ 12.5322, 0.4411,
0.2436


■ 34.1372, 0.3299,
0.3072

■ 11.3740, 0.4656,
0.2437


■ 40.6728, 0.3194,
0.3199

■ 10.7046, 0.4896,
0.2488

■ 48.1609, 0.3107,
0.3319

 10.5665, 0.4956,
0.2504

 56.6380, 0.3035,
0.3431

 66.1386, 0.2975,
0.3535

 76.6956, 0.2926,
0.3630

 86.4772, 0.2884,
0.3687

Harmonies

Analogous

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



19.8432, 0.2971, 0.2318



19.8432, 0.3748, 0.2682



19.8432, 0.4391, 0.3180

Triad

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



19.8432, 0.3748, 0.2682



19.8432, 0.3848, 0.4642



19.8432, 0.1821, 0.2564

Complementary

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



19.8432, 0.3748, 0.2682



37.3041, 0.2777, 0.4011

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.



19.8432, 0.1991, 0.3210



19.8432, 0.3748, 0.2682



19.8432, 0.3133, 0.4595

Square

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



19.8432, 0.3748, 0.2682



19.8432, 0.4407, 0.4272



19.8432, 0.2454, 0.4018



19.8432, 0.1937, 0.2217

Rectangle

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



19.8432, 0.3748, 0.2682



19.8432, 0.4604, 0.3548



19.8432, 0.2454, 0.4018



19.8432, 0.1845, 0.2748

Sweetspot

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



19.8442, 0.3748, 0.2682



64.7921, 0.3262, 0.3114



16.8058, 0.2661, 0.1972



13.4871, 0.3286, 0.3087



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



19.8442, 0.3748, 0.2682



29.6954, 0.3958, 0.2566



18.8622, 0.4386, 0.3273



8.5738, 0.3211, 0.3177



7.3012, 0.4929, 0.2489



0.2415, 0.4327, 0.2157

Inverse Universe

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



19.8442, 0.3748, 0.2682



29.6954, 0.3958, 0.2566



38.7457, 0.2515, 0.3311



8.5738, 0.3211, 0.3177



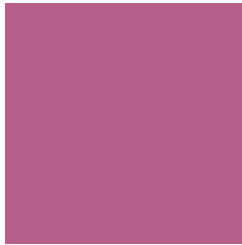
7.3012, 0.4929, 0.2489



0.2415, 0.4327, 0.2157

Previews

White Background



This preview shows how the Yxy color 19.8432, 0.3748, 0.2682 looks on a white background.

Color Contrast Check

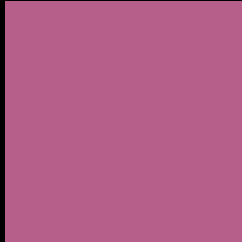
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8432, 0.3748, 0.2682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

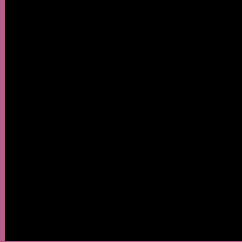
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8432, 0.3748, 0.2682

Background



This preview shows how black text looks on a background with the Yxy color 19.8432, 0.3748, 0.2682.



This preview shows how white text looks on a background with the Yxy color 19.8432, 0.3748, 0.2682.

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

19.8432, 0.3748, 0.2682

Protanopia

19.9642, 0.2698, 0.2689

Deuteranopia

19.9795, 0.3102, 0.3041



Tritanopia

19.8550, 0.4132, 0.3190

Trichromacy



Original Color

19.8432, 0.3748, 0.2682

Protanomaly

19.2472, 0.3032, 0.2669

Deuteranomaly

19.5077, 0.3328, 0.2892

Tritanomaly

19.8393, 0.3990, 0.3001

Monochromacy



Original Color

19.8432, 0.3748, 0.2682

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.9842, 0.3345, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8432, 0.3748, 0.2682 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(181, 95, 138)` looks like.

```
.text, #text, p{  
    color:rgb(181, 95, 138)  
}
```

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(181, 95, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 95, 138) }
```

Border

The CSS property to change the border of an element to Yxy 19.8432, 0.3748, 0.2682 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(181, 95, 138) }
```

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

```
.border{ border-color:rgb(181, 95, 138) }
```

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

Here you see how a box with a 4 pixel rgb(181, 95, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 95, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 95, 138);  
box-shadow:4px 4px 4px 4px rgb(181, 95,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8432, 0.3748, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 95, 138) }
```

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

```
.background{ background-color: rgb(181, 95,  
138) }
```

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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