

Converting Colors

$Y_{xy}(19.6595, 0.3641, 0.2778)$

Have a look what the booklet for
Yxy(19.6595, 0.3641, 0.2778)
contains.

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Color

Yxy(19.7146, 0.3642, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	AB6587
RGB	171, 101, 135
RGB Percent	67%, 40%, 53%
CMY	0.3295, 0.6039, 0.4707
CMYK	0.00, 0.41, 0.21, 0.33
HSL	331°, 29%, 53%
HSV	331°, 41%, 67%
XYZ	25.8183, 19.7146, 25.3575
YIQ	125.8060, 30.8060, 25.4140

Conversions

Conversions Part 2

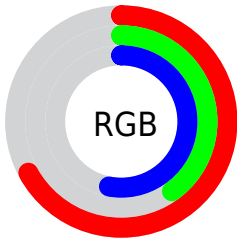
Format	Color
R_{YB}	171, 101, 135
Decimal	11232647
CIE _{Lab}	51.51, 32.81, -6.65
CIE _{LCh}	52, 33.479, 348.548
Yxy	19.7146, 0.3642, 0.2781
Android (android.graphics.Color)	4289422727 (0xFFAB6587)
YUV	125.8060, 4.5326, 39.6351
Hunter-Lab	44.4011, 26.0918, -2.7797

Details

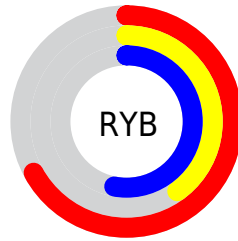
The Yxy color **19.7146, 0.3642, 0.2781** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.6961, 0.2809, 0.3872**, and the grayscale version is **20.7719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9073, 0.3534, 0.2890**, and **6.8938, 0.3853, 0.2603** is the 20% darker color. If you saturate the color by 10%, you get **16.4952, 0.3830, 0.2662**, and if you desaturate by 10%, it is **23.6471, 0.3480, 0.2908**.

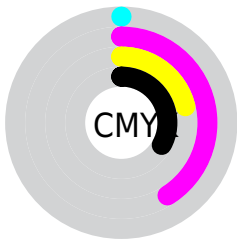
Distribution



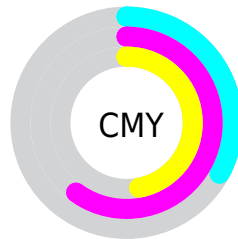
- Red (67%)
- Green (40%)
- Blue (53%)



- Red (67%)
- Yellow (40%)
- Blue (53%)



- Cyan (0%)
- Magenta (41%)
- Yellow (21%)
- Black (33%)




- Cyan (33%)
- Magenta (60%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7146, 0.3642, 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 19.7146, 0.3642, 0.2781 by changing the saturation by 10% instead.


 19.7146, 0.3642,
0.2781


 19.7146, 0.3642,
0.2781


250.3659, 0.3353,
0.3062


 12.1878, 0.3727,
0.2701


 42.9382, 0.3528,
0.2890


 6.8717, 0.3845,
0.2590


 59.4037, 0.3488,
0.2929

 3.3820, 0.4021,
0.2430

 79.6175, 0.3456,
0.2961

 1.3343, 0.4308,
0.2178

 103.9642, 0.3428,
0.2988

 0.1675, 0.5425,
0.0941

132.8279, 0.3405,
0.3011

 0.0000, 0.0000,
0.0000

166.5932, 0.3385,

0.3030

205.6444, 0.3368,
0.3047

■ 19.7146, 0.3642,
0.2781

■ 19.7146, 0.3642,
0.2781

■ 16.4952, 0.3830,
0.2662

■ 23.6471, 0.3480,
0.2908

■ 13.9425, 0.4045,
0.2561

■ 28.3299, 0.3344,
0.3036

■ 12.0089, 0.4282,
0.2489

■ 33.8009, 0.3230,
0.3161

■ 10.6392, 0.4533,
0.2459

■ 40.0945, 0.3135,
0.3279

■ 9.7682, 0.4785,
0.2479

■ 47.2432, 0.3057,
0.3390

■ 9.2811, 0.5009,
0.2533

■ 55.2775, 0.2992,
0.3493

■ 64.2268, 0.2938,
0.3588

■ 74.1187, 0.2894,
0.3674

■ 84.9800, 0.2857,
0.3754

Harmonies

Analogous

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



19.7146, 0.3004, 0.2466



19.7146, 0.3642, 0.2781



19.7146, 0.4165, 0.3212

Triad

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



19.7146, 0.3642, 0.2781



19.7146, 0.3746, 0.4408



19.7146, 0.2023, 0.2699

Complementary

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



19.7146, 0.3642, 0.2781



33.6961, 0.2809, 0.3872

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.



19.7146, 0.2177, 0.3238



19.7146, 0.3642, 0.2781



19.7146, 0.3149, 0.4342

Square

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



19.7146, 0.3642, 0.2781



19.7146, 0.4202, 0.4132



19.7146, 0.2576, 0.3881



19.7146, 0.2121, 0.2392

Rectangle

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



19.7146, 0.3642, 0.2781



19.7146, 0.4345, 0.3530



19.7146, 0.2576, 0.3881



19.7146, 0.2046, 0.2856

Sweetspot

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



19.7155, 0.3642, 0.2781



59.1998, 0.3243, 0.3145



17.4845, 0.2757, 0.2175



12.9155, 0.3257, 0.3130



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



19.7155, 0.3642, 0.2781



30.0979, 0.3809, 0.2674



18.9068, 0.4145, 0.3293



8.0777, 0.3213, 0.3180



7.0081, 0.4987, 0.2521



0.2061, 0.4314, 0.2150

Inverse Universe

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



19.7155, 0.3642, 0.2781



30.0979, 0.3809, 0.2674



34.8290, 0.2576, 0.3288



8.0777, 0.3213, 0.3180



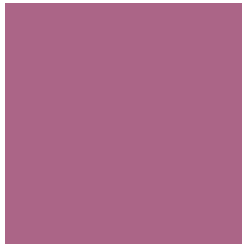
7.0081, 0.4987, 0.2521



0.2061, 0.4314, 0.2150

Previews

White Background



This preview shows how the Yxy color 19.7146, 0.3642, 0.2781 looks on a white background.

Color Contrast Check

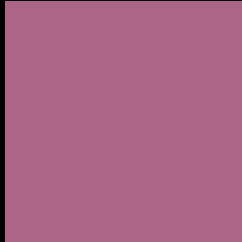
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7146, 0.3642, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

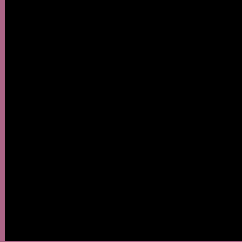
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7146, 0.3642, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 19.7146, 0.3642, 0.2781.



This preview shows how white text looks on a background with the Yxy color 19.7146, 0.3642, 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

19.7146, 0.3642, 0.2781

Protanopia

19.8709, 0.2785, 0.2806

Deuteranopia

19.9242, 0.3125, 0.3076



Tritanopia

19.7304, 0.3918, 0.3169

Trichromacy



Original Color

19.7146, 0.3642, 0.2781

Protanomaly

19.3666, 0.3064, 0.2777

Deuteranomaly

19.6147, 0.3311, 0.2953

Tritanomaly

19.8272, 0.3819, 0.3031

Monochromacy



Original Color

19.7146, 0.3642, 0.2781

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.0583, 0.3302, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7146, 0.3642, 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(171, 101, 135)` looks like.

```
.text, #text, p{  
    color:rgb(171, 101, 135)  
}
```

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(171, 101, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 101, 135) }
```

Border

The CSS property to change the border of an element to Yxy 19.7146, 0.3642, 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(171, 101, 135) }
```

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

```
.border{ border-color:rgb(171, 101, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 101, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 101, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 101, 135);  
box-shadow:4px 4px 4px 4px rgb(171, 101,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7146, 0.3642, 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(171, 101, 135) }
```

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

```
.background{ background-color: rgb(171,  
101, 135) }
```

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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