

Converting Colors

$Y_{xy}(17.8802, 0.3610, 0.2690)$

Have a look what the booklet for
Yxy(17.8802, 0.3610, 0.2690)
contains.

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Color

Yxy(17.8336, 0.3609, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	A65E86
RGB	166, 94, 134
RGB Percent	65%, 37%, 53%
CMY	0.3490, 0.6314, 0.4745
CMYK	0.00, 0.43, 0.19, 0.35
HSL	327°, 29%, 51%
HSV	327°, 43%, 65%
XYZ	24.0334, 17.8336, 24.7260
YIQ	120.0880, 30.0720, 27.7040

Conversions

Conversions Part 2

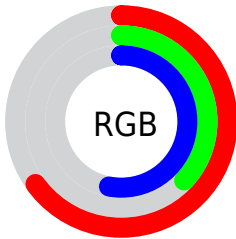
Format	Color
R_{YB}	166, 94, 134
Decimal	10903174
CIE _{Lab}	49.29, 34.74, -9.44
CIE _{LCh}	49, 35.999, 344.791
Yxy	17.8336, 0.3609, 0.2678
Android (android.graphics.Color)	4289093254 (0xFFA65E86)
YUV	120.0880, 6.8586, 40.2648
Hunter-Lab	42.2298, 27.6838, -5.1540

Details

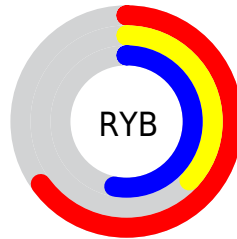
The Yxy color **17.8336, 0.3609, 0.2678** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.1645, 0.2831, 0.4006**, and the grayscale version is **18.7826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6752, 0.3499, 0.2812**, and **5.9616, 0.3805, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **14.9940, 0.3773, 0.2547**, and if you desaturate by 10%, it is **21.3243, 0.3466, 0.2820**.

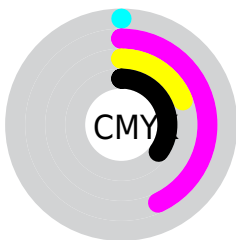
Distribution



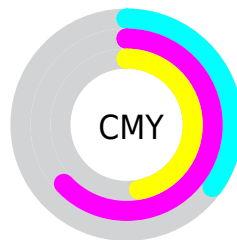
- Red (65%)
- Green (37%)
- Blue (53%)



- Red (65%)
- Yellow (37%)
- Blue (53%)



- Cyan (0%)
- Magenta (43%)
- Yellow (19%)
- Black (35%)




- Cyan (35%)
- Magenta (63%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8336, 0.3609, 0.2678 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 17.8336, 0.3609, 0.2678 by changing the saturation by 10% instead.


 17.8336, 0.3609,
0.2678

 17.8336, 0.3609,
0.2678


239.9315, 0.3338,
0.3017


 10.8306, 0.3689,
0.2581


 39.7536, 0.3502,
0.2810


 5.9530, 0.3801,
0.2447


 55.4393, 0.3464,
0.2857

 2.8165, 0.3967,
0.2252

 74.7881, 0.3434,
0.2896

 1.0367, 0.4240,
0.1946

 98.1844, 0.3408,
0.2928

 0.0000, 0.5736,
0.0000

126.0124, 0.3386,
0.2955

 0.0000, 0.0000,
0.0000

158.6567, 0.3368,

0.2979

196.5016, 0.3352,
0.2999

■ 17.8336, 0.3609,
0.2678

■ 17.8336, 0.3609,
0.2678

■ 14.9940, 0.3773,
0.2547

■ 21.3243, 0.3466,
0.2820

■ 12.7615, 0.3957,
0.2436

■ 25.5012, 0.3343,
0.2966

■ 11.0907, 0.4157,
0.2358


■ 30.4000, 0.3240,
0.3109

■ 9.9287, 0.4365,
0.2323

■ 36.0532, 0.3153,
0.3245

■ 9.2123, 0.4573,
0.2339


■ 42.4913, 0.3081,
0.3374

 8.8847, 0.4711,
0.2369

 49.7429, 0.3021,
0.3495

 57.8354, 0.2971,
0.3605

 66.7949, 0.2929,
0.3707

 76.6463, 0.2895,
0.3801

Harmonies

Analogous

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



17.8336, 0.2902, 0.2357



17.8336, 0.3609, 0.2678



17.8336, 0.4225, 0.3133

Triad

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



17.8336, 0.3609, 0.2678



17.8336, 0.3877, 0.4506



17.8336, 0.1922, 0.2690

Complementary

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



17.8336, 0.3609, 0.2678



31.1645, 0.2831, 0.4006

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.



17.8336, 0.2120, 0.3314



17.8336, 0.3609, 0.2678



17.8336, 0.3227, 0.4507

Square

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



17.8336, 0.3609, 0.2678



17.8336, 0.4356, 0.4151



17.8336, 0.2584, 0.4037



17.8336, 0.1996, 0.2327

Rectangle

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



17.8336, 0.3609, 0.2678



17.8336, 0.4457, 0.3475



17.8336, 0.2584, 0.4037



17.8336, 0.1957, 0.2872

Sweetspot

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



17.8344, 0.3609, 0.2678



55.2952, 0.3239, 0.3110



15.1340, 0.2673, 0.2088



11.9216, 0.3259, 0.3080



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



17.8344, 0.3609, 0.2678



27.3985, 0.3766, 0.2552



17.0105, 0.4157, 0.3218



7.6094, 0.3203, 0.3165



6.8978, 0.4694, 0.2359



0.1779, 0.4084, 0.2024

Inverse Universe

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



17.8344, 0.3609, 0.2678



27.3985, 0.3766, 0.2552



32.2384, 0.2582, 0.3369



7.6094, 0.3203, 0.3165



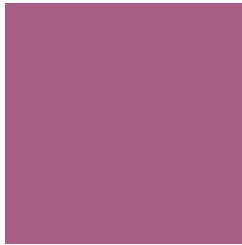
6.8978, 0.4694, 0.2359



0.1779, 0.4084, 0.2024

Previews

White Background



This preview shows how the Yxy color 17.8336, 0.3609, 0.2678 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 17.8336, 0.3609, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

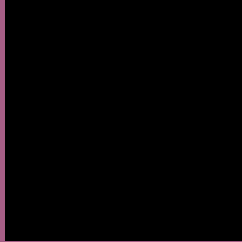
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8336, 0.3609, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 17.8336, 0.3609, 0.2678.



This preview shows how white text looks on a background with the Yxy color 17.8336, 0.3609, 0.2678.

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

17.8336, 0.3609, 0.2678

Protanopia

17.9119, 0.2690, 0.2680

Deuteranopia

17.8573, 0.3052, 0.2992



Tritanopia

17.7717, 0.3956, 0.3164

Trichromacy



Original Color

17.8336, 0.3609, 0.2678

Protanomaly

17.4846, 0.2978, 0.2657

Deuteranomaly

17.6431, 0.3254, 0.2870

Tritanomaly

17.7263, 0.3827, 0.2976

Monochromacy



Original Color

17.8336, 0.3609, 0.2678

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.1679, 0.3298, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8336, 0.3609, 0.2678 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(166, 94, 134)` looks like.

```
.text, #text, p{  
  color:rgb(166, 94, 134)  
}
```

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(166, 94, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 94, 134) }
```

Border

The CSS property to change the border of an element to Yxy 17.8336, 0.3609, 0.2678 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(166, 94, 134) }
```

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

```
.border{ border-color:rgb(166, 94, 134) }
```

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

Here you see how a box with a 4 pixel rgb(166, 94, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 94, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 94, 134);  
box-shadow:4px 4px 4px 4px rgb(166, 94,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8336, 0.3609, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 94, 134) }
```

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

```
.background{ background-color: rgb(166, 94,  
134) }
```

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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