

Converting Colors

$Y_{xy}(17.5291, 0.3353, 0.2270)$

Have a look what the booklet for
Yxy(17.5291, 0.3353, 0.2270)
contains.

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Color

Yxy(17.6359, 0.3351, 0.2274)

Conversions

Conversions Part 1

Format	Color
Hex	AA569D
RGB	170, 86, 157
RGB Percent	67%, 34%, 62%
CMY	0.3334, 0.6627, 0.3843
CMYK	0.00, 0.49, 0.08, 0.33
HSL	309°, 33%, 50%
HSV	309°, 49%, 67%
XYZ	25.9885, 17.6359, 33.9301
YIQ	119.2100, 27.2730, 39.8890

Conversions

Conversions Part 2

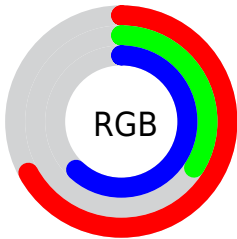
Format	Color
R_{YB}	170, 86, 157
Decimal	11163293
CIE _{Lab}	49.05, 44.13, -23.44
CIE _{LCh}	49, 49.969, 332.031
Yxy	17.6359, 0.3351, 0.2274
Android (android.graphics.Color)	4289353373 (0xFFAA569D)
YUV	119.2100, 18.6305, 44.5428
Hunter-Lab	41.9951, 36.9726, -18.5070

Details

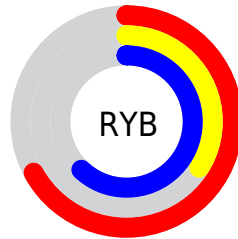
The Yxy color **17.6359, 0.3351, 0.2274** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.6247, 0.2969, 0.4589**, and the grayscale version is **18.4523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5496, 0.3310, 0.2480**, and **5.8770, 0.3424, 0.1949** is the 20% darker color. If you saturate the color by 10%, you get **15.1481, 0.3409, 0.2102**, and if you desaturate by 10%, it is **20.7728, 0.3297, 0.2469**.

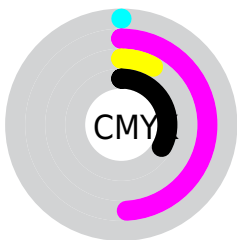
Distribution



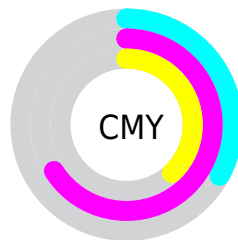
- Red (67%)
- Green (34%)
- Blue (62%)



- Red (67%)
- Yellow (34%)
- Blue (62%)



- Cyan (0%)
- Magenta (49%)
- Yellow (8%)
- Black (33%)





- Cyan (33%)
- Magenta (66%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6359, 0.3351, 0.2274 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 17.6359, 0.3351, 0.2274 by changing the saturation by 10% instead.


 17.6359, 0.3351,
0.2274


 17.6359, 0.3351,
0.2274


238.8107, 0.3241,
0.2815


 10.6889, 0.3376,
0.2129


 39.4159, 0.3312,
0.2478


 5.8581, 0.3406,
0.1939


 55.0177, 0.3297,
0.2552


 2.7590, 0.3440,
0.1678

 74.2733, 0.3285,
0.2614

 1.0072, 0.3472,
0.1307

 97.5669, 0.3274,
0.2667

 0.0000, 0.3753,
0.0000

 125.2831, 0.3264,
0.2712

 0.0000, 0.0000,
0.0000

157.8062, 0.3255,

0.2751

195.5206, 0.3248,
0.2785

■ 17.6359, 0.3351,
0.2274

■ 17.6359, 0.3351,
0.2274

■ 15.1481, 0.3409,
0.2102

■ 20.7728, 0.3297,
0.2469

■ 13.2605, 0.3468,
0.1961

■ 24.5982, 0.3246,
0.2676

■ 11.9210, 0.3526,
0.1859


■ 29.1515, 0.3201,
0.2889


■ 11.0680, 0.3583,
0.1801


■ 34.4681, 0.3160,
0.3099

■ 10.5756, 0.3637,
0.1780


■ 40.5814, 0.3125,
0.3302

 10.5486, 0.3640,
0.1779

 47.5225, 0.3095,
0.3495

 55.3211, 0.3068,
0.3675

 64.0053, 0.3046,
0.3843

 73.6020, 0.3027,
0.3997

Harmonies

Analogous

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



17.6359, 0.2447, 0.1963



17.6359, 0.3351, 0.2274



17.6359, 0.4326, 0.2784

Triad

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



17.6359, 0.3351, 0.2274



17.6359, 0.4402, 0.4720



17.6359, 0.1598, 0.2748

Complementary

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



17.6359, 0.3351, 0.2274



31.6247, 0.2969, 0.4589

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.



17.6359, 0.1977, 0.3747



17.6359, 0.3351, 0.2274



17.6359, 0.3585, 0.5081

Square

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



17.6359, 0.3351, 0.2274



17.6359, 0.4931, 0.4078



17.6359, 0.2698, 0.4745



17.6359, 0.1564, 0.2138

Rectangle

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



17.6359, 0.3351, 0.2274



17.6359, 0.4800, 0.3192



17.6359, 0.2698, 0.4745



17.6359, 0.1684, 0.3045

Sweetspot

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



17.6367, 0.3351, 0.2274



56.7117, 0.3184, 0.2976



12.1905, 0.2326, 0.1808



12.2186, 0.3192, 0.2933



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.



17.6367, 0.3351, 0.2274



27.2263, 0.3412, 0.2091



16.4497, 0.3985, 0.2847



7.6464, 0.3160, 0.3101



7.7677, 0.3635, 0.1776



0.1942, 0.3474, 0.1688

Inverse Universe

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



17.6367, 0.3351, 0.2274



27.2263, 0.3412, 0.2091



32.6348, 0.2681, 0.3806



7.6464, 0.3160, 0.3101



7.7677, 0.3635, 0.1776



0.1942, 0.3474, 0.1688

Previews

White Background



This preview shows how the Yxy color 17.6359, 0.3351, 0.2274 looks on a white background.

Color Contrast Check

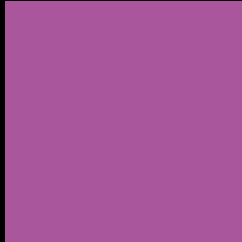
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6359, 0.3351, 0.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

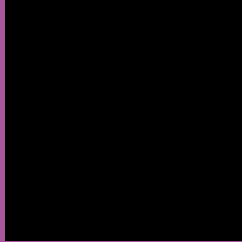
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6359, 0.3351, 0.2274

Background



This preview shows how black text looks on a background with the Yxy color 17.6359, 0.3351, 0.2274.



This preview shows how white text looks on a background with the Yxy color 17.6359, 0.3351, 0.2274.

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

17.6359, 0.3351, 0.2274

Protanopia

17.9364, 0.2299, 0.2172

Deuteranopia

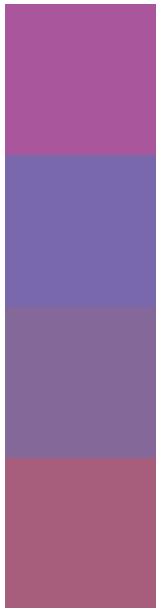
17.8435, 0.2670, 0.2614



Tritanopia

17.6478, 0.4007, 0.3181

Trichromacy



Original Color

17.6359, 0.3351, 0.2274

Protanomaly

17.0168, 0.2596, 0.2163

Deuteranomaly

17.1393, 0.2890, 0.2440

Tritanomaly

17.5676, 0.3759, 0.2826

Monochromacy



Original Color

17.6359, 0.3351, 0.2274

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.6121, 0.3215, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6359, 0.3351, 0.2274 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(170, 86, 157)` looks like.

```
.text, #text, p{  
  color:rgb(170, 86, 157)  
}
```

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(170, 86, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 86, 157) }
```

Border

The CSS property to change the border of an element to Yxy 17.6359, 0.3351, 0.2274 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(170, 86, 157) }
```

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

```
.border{ border-color:rgb(170, 86, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 86, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 86, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 86, 157);  
box-shadow:4px 4px 4px 4px rgb(170, 86,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6359, 0.3351, 0.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 86, 157) }
```

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

```
.background{ background-color: rgb(170, 86,  
157) }
```

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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