

Converting Colors

$Y_{xy}(17.1973, 0.3065, 0.2076)$

Have a look what the booklet for
Yxy(17.1973, 0.3065, 0.2076)
contains.

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Color

Yxy(17.1349, 0.3067, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	A156AA
RGB	161, 86, 170
RGB Percent	63%, 34%, 67%
CMY	0.3687, 0.6627, 0.3333
CMYK	0.05, 0.49, 0.00, 0.33
HSL	294°, 33%, 50%
HSV	294°, 49%, 67%
XYZ	25.2779, 17.1349, 40.0062
YIQ	118.0010, 17.7360, 42.0240

Conversions

Conversions Part 2

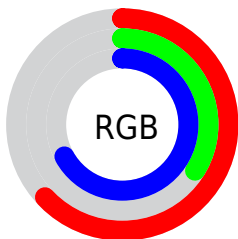
Format	Color
R_{YB}	161, 86, 170
Decimal	10573482
CIE _{Lab}	48.43, 43.83, -32.16
CIE _{LCh}	48, 54.362, 323.728
Yxy	17.1349, 0.3067, 0.2079
Android (android.graphics.Color)	4288763562 (0xFFA156AA)
YUV	118.0010, 25.6355, 37.7101
Hunter-Lab	41.3943, 36.5629, -28.3257

Details

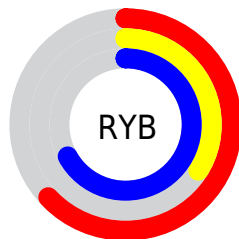
The Yxy color **17.1349, 0.3067, 0.2079** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **31.8578, 0.3125, 0.4791**, and the grayscale version is **18.0324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4197, 0.3089, 0.2307**, and **5.6122, 0.3003, 0.1707** is the 20% darker color. If you saturate the color by 10%, you get **14.5472, 0.3046, 0.1869**, and if you desaturate by 10%, it is **20.3725, 0.3085, 0.2313**.

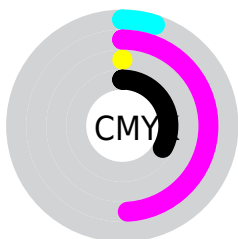
Distribution



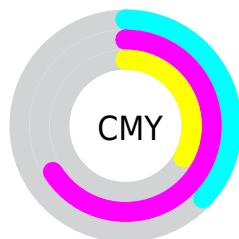
- Red (63%)
- Green (34%)
- Blue (67%)



- Red (63%)
- Yellow (34%)
- Blue (67%)



- Cyan (5%)
- Magenta (49%)
- Yellow (0%)
- Black (33%)




- Cyan (37%)
- Magenta (66%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1349, 0.3067, 0.2079 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 17.1349, 0.3067, 0.2079 by changing the saturation by 10% instead.


 17.1349, 0.3067,
0.2079


 17.1349, 0.3067,
0.2079


235.9486, 0.3124,
0.2715


 10.3307, 0.3041,
0.1914


 38.5576, 0.3096,
0.2316


 5.6188, 0.2999,
0.1701


 53.9448, 0.3104,
0.2403

 2.6147, 0.2928,
0.1417

 72.9619, 0.3110,
0.2476

 0.9341, 0.2791,
0.1034

 95.9933, 0.3114,
0.2538

 0.0000, 0.2640,
0.0000

 123.4232, 0.3118,
0.2592

 0.0000, 0.0000,
0.0000

155.6361, 0.3120,

0.2638

193.0164, 0.3122,
0.2679

■ 17.1349, 0.3067,
0.2079

■ 17.1349, 0.3067,
0.2079

■ 14.5472, 0.3046,
0.1869

■ 20.3725, 0.3085,
0.2313

■ 12.5606, 0.3022,
0.1691

■ 24.2998, 0.3100,
0.2561

■ 11.1232, 0.2997,
0.1553


■ 28.9558, 0.3112,
0.2814

■ 10.1732, 0.2970,
0.1457

■ 34.3763, 0.3121,
0.3063

■ 9.5846, 0.2943,
0.1397


■ 40.5943, 0.3127,
0.3304

 9.5520, 0.2941,
0.1394

 47.6412, 0.3132,
0.3532

 55.5467, 0.3134,
0.3744

 64.3387, 0.3135,
0.3940

 74.0442, 0.3135,
0.4119

Harmonies

Analogous

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



17.1349, 0.2170, 0.1819



17.1349, 0.3067, 0.2079



17.1349, 0.4162, 0.2569

Triad

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



17.1349, 0.3067, 0.2079



17.1349, 0.4688, 0.4629



17.1349, 0.1549, 0.2948

Complementary

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



17.1349, 0.3067, 0.2079



31.8578, 0.3125, 0.4791

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.



17.1349, 0.2052, 0.4132



17.1349, 0.3067, 0.2079



17.1349, 0.3858, 0.5192

Square

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



17.1349, 0.3067, 0.2079



17.1349, 0.5154, 0.3903



17.1349, 0.2899, 0.5107



17.1349, 0.1425, 0.2169

Rectangle

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



17.1349, 0.3067, 0.2079



17.1349, 0.4777, 0.2981



17.1349, 0.2899, 0.5107



17.1349, 0.1672, 0.3313

Sweetspot

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



17.1356, 0.3067, 0.2079



56.4251, 0.3116, 0.2917



13.2141, 0.2236, 0.1936



12.1462, 0.3114, 0.2866



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.



17.1356, 0.3067, 0.2079



26.1195, 0.3045, 0.1856



17.0344, 0.3628, 0.2524



7.6251, 0.3121, 0.3066



7.0409, 0.2944, 0.1396



0.1826, 0.3038, 0.1447

Inverse Universe

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



16.0320, 0.4327, 0.3157



24.0014, 0.4757, 0.3139



32.0427, 0.2836, 0.4227



7.5549, 0.3269, 0.3266



6.3237, 0.6247, 0.3215



0.1578, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 17.1349, 0.3067, 0.2079 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 17.1349, 0.3067, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

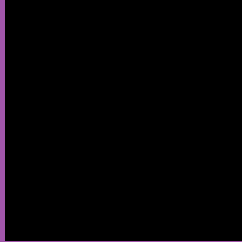
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1349, 0.3067, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 17.1349, 0.3067, 0.2079.



This preview shows how white text looks on a background with the Yxy color 17.1349, 0.3067, 0.2079.

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

17.1349, 0.3067, 0.2079

Protanopia

17.4543, 0.2129, 0.1955

Deuteranopia

17.2926, 0.2429, 0.2368



Tritanopia

17.1624, 0.3790, 0.3174

Trichromacy



Original Color

17.1349, 0.3067, 0.2079

Protanomaly

16.5828, 0.2378, 0.1956

Deuteranomaly

16.6837, 0.2619, 0.2222

Tritanomaly

17.0724, 0.3509, 0.2724

Monochromacy



Original Color

17.1349, 0.3067, 0.2079

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.1825, 0.3113, 0.2743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1349, 0.3067, 0.2079 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(161, 86, 170)` looks like.

```
.text, #text, p{  
    color:rgb(161, 86, 170)  
}
```

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(161, 86, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 86, 170) }
```

Border

The CSS property to change the border of an element to Yxy 17.1349, 0.3067, 0.2079 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(161, 86, 170) }
```

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

```
.border{ border-color:rgb(161, 86, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 86, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 86, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 86, 170); box-shadow:4px 4px 4px 4px rgb(161, 86, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1349, 0.3067, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 86, 170) }
```

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

```
.background{ background-color: rgb(161, 86,  
170) }
```

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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