

Converting Colors

$Y_{xy}(18.3227, 0.3423, 0.2399)$

Have a look what the booklet for
Yxy(18.3227, 0.3423, 0.2399)
contains.

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Color

Yxy(18.4071, 0.3426, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	AB5B98
RGB	171, 91, 152
RGB Percent	67%, 36%, 60%
CMY	0.3295, 0.6431, 0.4040
CMYK	0.00, 0.47, 0.11, 0.33
HSL	314°, 32%, 51%
HSV	314°, 47%, 67%
XYZ	26.1997, 18.4071, 31.8664
YIQ	121.8740, 28.0990, 35.9310

Conversions

Conversions Part 2

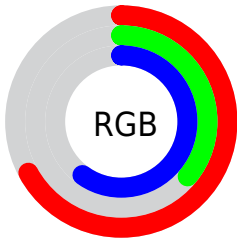
Format	Color
R_{YB}	171, 91, 152
Decimal	11230104
CIE _{Lab}	49.99, 40.98, -19.02
CIE _{LCh}	50, 45.178, 335.106
Yxy	18.4071, 0.3426, 0.2407
Android (android.graphics.Color)	4289420184 (0xFFAB5B98)
YUV	121.8740, 14.8521, 43.0835
Hunter-Lab	42.9035, 33.9228, -14.0049

Details

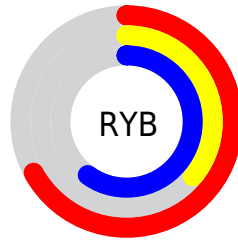
The Yxy color **18.4071, 0.3426, 0.2407** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.4736, 0.2929, 0.4385**, and the grayscale version is **19.3637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5951, 0.3373, 0.2586**, and **6.2391, 0.3523, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **15.6786, 0.3512, 0.2241**, and if you desaturate by 10%, it is **21.8080, 0.3347, 0.2591**.

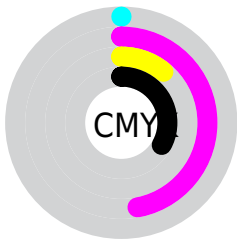
Distribution



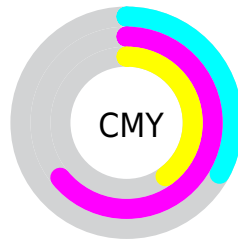
- Red (67%)
- Green (36%)
- Blue (60%)



- Red (67%)
- Yellow (36%)
- Blue (60%)



- Cyan (0%)
- Magenta (47%)
- Yellow (11%)
- Black (33%)




- Cyan (33%)
- Magenta (64%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4071, 0.3426, 0.2407 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 18.4071, 0.3426, 0.2407 by changing the saturation by 10% instead.


 18.4071, 0.3426,
0.2407


 18.4071, 0.3426,
0.2407


243.1558, 0.3270,
0.2881


 11.2427, 0.3467,
0.2278


 40.7298, 0.3368,
0.2587


 6.2303, 0.3520,
0.2107


 56.6568, 0.3346,
0.2652

 2.9856, 0.3590,
0.1870

 76.2736, 0.3328,
0.2706

 1.1242, 0.3687,
0.1522

 99.9643, 0.3313,
0.2752

 0.0000, 0.4231,
0.0000

128.1135, 0.3300,
0.2791

 0.0000, 0.0000,
0.0000

161.1056, 0.3288,

0.2825

199.3248, 0.3278,
0.2854

■ 18.4071, 0.3426,
0.2407

■ 18.4071, 0.3426,
0.2407

■ 15.6786, 0.3512,
0.2241

■ 21.8080, 0.3347,
0.2591

■ 13.5740, 0.3604,
0.2103

■ 25.9202, 0.3276,
0.2783

■ 12.0424, 0.3699,
0.2001


■ 30.7828, 0.3213,
0.2977


■ 11.0240, 0.3793,
0.1944

■ 36.4312, 0.3159,
0.3166


■ 10.4329, 0.3885,
0.1931


■ 42.8987, 0.3113,
0.3347

 10.2775, 0.3915,
0.1930

 50.2165, 0.3074,
0.3518

 58.4142, 0.3040,
0.3677

 67.5201, 0.3012,
0.3824

 77.5611, 0.2989,
0.3959

Harmonies

Analogous

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



18.4071, 0.2591, 0.2098



18.4071, 0.3426, 0.2407



18.4071, 0.4275, 0.2895

Triad

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



18.4071, 0.3426, 0.2407



18.4071, 0.4234, 0.4649



18.4071, 0.1718, 0.2744

Complementary

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



18.4071, 0.3426, 0.2407



32.4736, 0.2929, 0.4385

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.



18.4071, 0.2043, 0.3603



18.4071, 0.3426, 0.2407



18.4071, 0.3482, 0.4882

Square

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



18.4071, 0.3426, 0.2407



18.4071, 0.4731, 0.4100



18.4071, 0.2679, 0.4494



18.4071, 0.1711, 0.2216

Rectangle

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



18.4071, 0.3426, 0.2407



18.4071, 0.4666, 0.3280



18.4071, 0.2679, 0.4494



18.4071, 0.1789, 0.3000

Sweetspot

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



18.4080, 0.3426, 0.2407



57.5552, 0.3199, 0.3025



13.7192, 0.2447, 0.1920



12.3843, 0.3211, 0.2985



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.



18.4080, 0.3426, 0.2407



27.9887, 0.3514, 0.2238



17.3193, 0.4025, 0.2969



8.1150, 0.3172, 0.3119



7.7572, 0.3906, 0.1926



0.2236, 0.3656, 0.1788

Inverse Universe

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



18.4080, 0.3426, 0.2407



27.9887, 0.3514, 0.2238



33.5383, 0.2653, 0.3654



8.1150, 0.3172, 0.3119



7.7572, 0.3906, 0.1926



0.2236, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 18.4071, 0.3426, 0.2407 looks on a white background.

Color Contrast Check

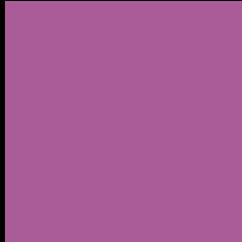
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4071, 0.3426, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

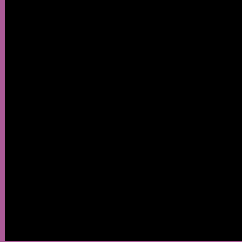
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4071, 0.3426, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 18.4071, 0.3426, 0.2407.



This preview shows how white text looks on a background with the Yxy color 18.4071, 0.3426, 0.2407.

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

18.4071, 0.3426, 0.2407

Protanopia

18.7602, 0.2432, 0.2351

Deuteranopia

18.6111, 0.2798, 0.2746



Tritanopia

18.3040, 0.3977, 0.3167

Trichromacy



Original Color

18.4071, 0.3426, 0.2407

Protanomaly

17.9538, 0.2721, 0.2337

Deuteranomaly

18.2134, 0.3008, 0.2596

Tritanomaly

18.3295, 0.3776, 0.2876

Monochromacy



Original Color

18.4071, 0.3426, 0.2407

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.6378, 0.3236, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4071, 0.3426, 0.2407 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, 91, 152)` looks like.

```
.text, #text, p{  
    color:rgb(171, 91, 152)  
}
```

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, 91, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 91, 152) }
```

Border

The CSS property to change the border of an element to Yxy 18.4071, 0.3426, 0.2407 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, 91, 152) }
```

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

```
.border{ border-color:rgb(171, 91, 152) }
```

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

Here you see how a box with a 4 pixel rgb(171, 91, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 91, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 91, 152);  
box-shadow:4px 4px 4px 4px rgb(171, 91,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4071, 0.3426, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 91, 152) }
```

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

```
.background{ background-color: rgb(171, 91,  
152) }
```

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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