

Converting Colors

$Y_{xy}(19.7836, 0.3093, 0.2254)$

Have a look what the booklet for
Yxy(19.7836, 0.3093, 0.2254)
contains.

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Color

Yxy(19.7565, 0.3089, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	A463AB
RGB	164, 99, 171
RGB Percent	64%, 39%, 67%
CMY	0.3569, 0.6118, 0.3293
CMYK	0.04, 0.42, 0.00, 0.33
HSL	294°, 30%, 53%
HSV	294°, 42%, 67%
XYZ	27.1235, 19.7565, 40.9267
YIQ	126.6430, 15.6280, 36.1720

Conversions

Conversions Part 2

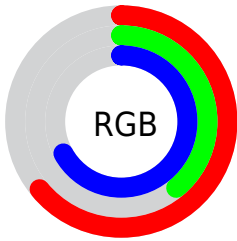
Format	Color
RYB	164, 99, 171
Decimal	10773419
CIELab	51.56, 37.97, -27.85
CIELCh	52, 47.094, 323.741
Yxy	19.7565, 0.3089, 0.2250
Android (android.graphics.Color)	4288963499 (0xFFA463AB)
YUV	126.6430, 21.8680, 32.7621
Hunter-Lab	44.4483, 31.1408, -23.4787

Details

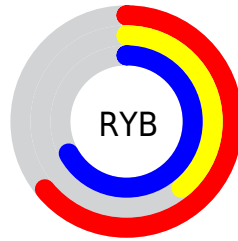
The Yxy color **19.7565, 0.3089, 0.2250** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.1047, 0.3125, 0.4543**, and the grayscale version is **21.0152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8949, 0.3104, 0.2445**, and **6.8841, 0.3060, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **16.6761, 0.3073, 0.2023**, and if you desaturate by 10%, it is **23.5273, 0.3102, 0.2494**.

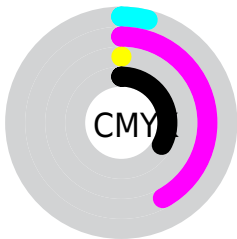
Distribution



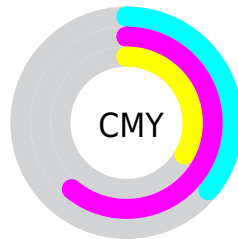
- Red (64%)
- Green (39%)
- Blue (67%)



- Red (64%)
- Yellow (39%)
- Blue (67%)



- Cyan (4%)
- Magenta (42%)
- Yellow (0%)
- Black (33%)




- Cyan (36%)
- Magenta (61%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7565, 0.3089, 0.2250 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 19.7565, 0.3089, 0.2250 by changing the saturation by 10% instead.


 19.7565, 0.3089,
0.2250


 19.7565, 0.3089,
0.2250


250.5938, 0.3127,
0.2795

 12.2182, 0.3071,
0.2108


 43.0086, 0.3108,
0.2453


 6.8924, 0.3043,
0.1923


 59.4911, 0.3114,
0.2528

 3.3949, 0.2994,
0.1674


 79.7238, 0.3118,
0.2590

 1.3412, 0.2901,
0.1328

 104.0911, 0.3121,
0.2644

 0.1728, 0.2818,
0.0436

132.9773, 0.3123,
0.2689

 0.0000, 0.0403,
0.0000

166.7669, 0.3125,

 0.0000, 0.0000,

0.2729

0.0000

205.8443, 0.3126,
0.2764

■ 19.7565, 0.3089,
0.2250

■ 19.7565, 0.3089,
0.2250

■ 16.6761, 0.3073,
0.2023

■ 23.5273, 0.3102,
0.2494

■ 14.2396, 0.3054,
0.1822

■ 28.0256, 0.3113,
0.2745

■ 12.3993, 0.3032,
0.1657

■ 33.2893, 0.3121,
0.2996

■ 11.0995, 0.3009,
0.1532

■ 39.3526, 0.3126,
0.3240

■ 10.2739, 0.2985,
0.1450

■ 46.2478, 0.3130,
0.3472

■ 9.8431, 0.2966,
0.1407

■ 54.0053, 0.3131,
0.3689

■ 62.6541, 0.3132,
0.3890

■ 72.2218, 0.3131,
0.4074

■ 82.7348, 0.3130,
0.4241

Harmonies

Analogous

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



19.7565, 0.2321, 0.2021



19.7565, 0.3089, 0.2250



19.7565, 0.3990, 0.2684

Triad

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



19.7565, 0.3089, 0.2250



19.7565, 0.4482, 0.4475



19.7565, 0.1781, 0.3031

Complementary

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



19.7565, 0.3089, 0.2250



33.1047, 0.3125, 0.4543

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.



19.7565, 0.2236, 0.3979



19.7565, 0.3089, 0.2250



19.7565, 0.3791, 0.4881

Square

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



19.7565, 0.3089, 0.2250



19.7565, 0.4839, 0.3871



19.7565, 0.2970, 0.4751



19.7565, 0.1657, 0.2358

Rectangle

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



19.7565, 0.3089, 0.2250



19.7565, 0.4494, 0.3052



19.7565, 0.2970, 0.4751



19.7565, 0.1896, 0.3330

Sweetspot

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



19.7574, 0.3089, 0.2250



58.4751, 0.3120, 0.2969



15.9446, 0.2379, 0.2146



12.5676, 0.3118, 0.2915



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.



19.7574, 0.3089, 0.2250



29.9596, 0.3073, 0.2028



19.5450, 0.3546, 0.2649



8.1077, 0.3123, 0.3065



7.4301, 0.2968, 0.1409



0.2179, 0.3046, 0.1452

Inverse Universe

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



18.6268, 0.4081, 0.3185



27.7309, 0.4439, 0.3165



33.3436, 0.2861, 0.4042



8.0276, 0.3272, 0.3268



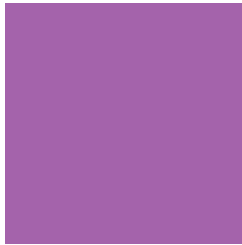
6.5604, 0.6266, 0.3225



0.1865, 0.5766, 0.2950

Previews

White Background



This preview shows how the Yxy color 19.7565, 0.3089, 0.2250 looks on a white background.

Color Contrast Check

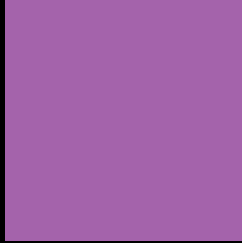
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7565, 0.3089, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

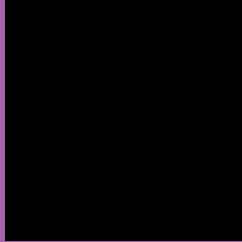
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7565, 0.3089, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 19.7565, 0.3089, 0.2250.



This preview shows how white text looks on a background with the Yxy color 19.7565, 0.3089, 0.2250.

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

19.7565, 0.3089, 0.2250

Protanopia

20.0015, 0.2299, 0.2173

Deuteranopia

20.0886, 0.2563, 0.2513



Tritanopia

19.6519, 0.3649, 0.3144

Trichromacy



Original Color

19.7565, 0.3089, 0.2250

Protanomaly

19.3986, 0.2538, 0.2186

Deuteranomaly

19.6076, 0.2733, 0.2404

Tritanomaly

19.6166, 0.3443, 0.2786

Monochromacy



Original Color

19.7565, 0.3089, 0.2250

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.2812, 0.3111, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7565, 0.3089, 0.2250 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(164, 99, 171)` looks like.

```
.text, #text, p{  
    color:rgb(164, 99, 171)  
}
```

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(164, 99, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 99, 171) }
```

Border

The CSS property to change the border of an element to Yxy 19.7565, 0.3089, 0.2250 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(164, 99, 171) }
```

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

```
.border{ border-color:rgb(164, 99, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 99, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 99, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 99, 171);  
box-shadow:4px 4px 4px 4px rgb(164, 99,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7565, 0.3089, 0.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 99, 171) }
```

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

```
.background{ background-color: rgb(164, 99,  
171) }
```

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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