

Converting Colors

$Y_{xy}(21.2133, 0.3118, 0.2341)$

Have a look what the booklet for
Yxy(21.2133, 0.3118, 0.2341)
contains.

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Color

Yxy(21.2589, 0.3123, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	A769AB
RGB	167, 105, 171
RGB Percent	65%, 41%, 67%
CMY	0.3452, 0.5882, 0.3294
CMYK	0.02, 0.39, 0.00, 0.33
HSL	296°, 28%, 54%
HSV	296°, 39%, 67%
XYZ	28.3361, 21.2589, 41.1386
YIQ	131.0620, 15.7660, 33.6700

Conversions

Conversions Part 2

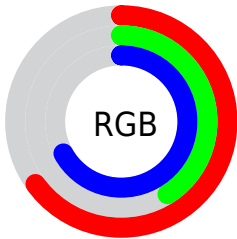
Format	Color
R _{YB}	167, 105, 171
Decimal	10971563
CIE _{Lab}	53.23, 35.61, -25.22
CIE _{LCh}	53, 43.634, 324.689
Yxy	21.2589, 0.3123, 0.2343
Android (android.graphics.Color)	4289161643 (0xFFA769AB)
YUV	131.0620, 19.6894, 31.5176
Hunter-Lab	46.1074, 29.0125, -20.6255

Details

The Yxy color **21.2589, 0.3123, 0.2343** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.3998, 0.3106, 0.4429**, and the grayscale version is **22.6451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3480, 0.3128, 0.2517**, and **7.6417, 0.3095, 0.2033** is the 20% darker color. If you saturate the color by 10%, you get **18.0063, 0.3117, 0.2114**, and if you desaturate by 10%, it is **25.2147, 0.3127, 0.2587**.

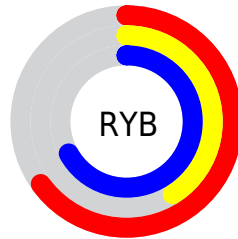
Distribution



Red (65%)

Green (41%)

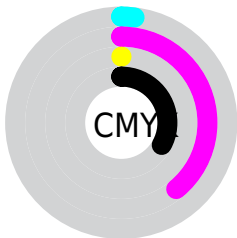
Blue (67%)



Red (65%)

Yellow (41%)

Blue (67%)

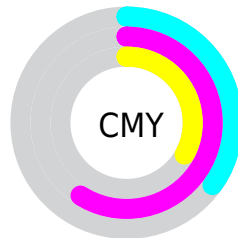


Cyan (2%)

Magenta (39%)

Yellow (0%)

Black (33%)



Cyan (35%)


Magenta (59%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2589, 0.3123, 0.2343 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 21.2589, 0.3123, 0.2343 by changing the saturation by 10% instead.


 21.2589, 0.3123,
0.2343

 21.2589, 0.3123,
0.2343


258.6512, 0.3139,
0.2838

 13.3134, 0.3113,
0.2214


 45.5180, 0.3133,
0.2527

 7.6447, 0.3095,
0.2045


 62.6004, 0.3136,
0.2595

 3.8685, 0.3064,
0.1817


 83.4972, 0.3137,
0.2652

 1.6002, 0.3001,
0.1496

 108.5928, 0.3138,
0.2701

 0.3578, 0.2921,
0.0826

138.2716, 0.3139,
0.2742

 0.0000, 0.1422,
0.0000

172.9180, 0.3139,

 0.0000, 0.0000,

0.2778

0.0000

212.9164, 0.3139,
0.2810

■ 21.2589, 0.3123,
0.2343

■ 21.2589, 0.3123,
0.2343

■ 18.0063, 0.3117,
0.2114

■ 25.2147, 0.3127,
0.2587

■ 15.4118, 0.3110,
0.1910

■ 29.9096, 0.3128,
0.2836

■ 13.4297, 0.3100,
0.1739


■ 35.3805, 0.3128,
0.3084

■ 12.0071, 0.3088,
0.1607


■ 41.6608, 0.3127,
0.3323

■ 11.0819, 0.3074,
0.1518


■ 48.7821, 0.3125,
0.3551

 10.5426, 0.3060,
0.1465

 56.7744, 0.3122,
0.3763

 10.4751, 0.3058,
0.1458

 65.6660, 0.3118,
0.3959

 75.4840, 0.3114,
0.4139

 83.7317, 0.3112,
0.4266

Harmonies

Analogous

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



21.2589, 0.2411, 0.2123



21.2589, 0.3123, 0.2343



21.2589, 0.3934, 0.2753

Triad

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



21.2589, 0.3123, 0.2343



21.2589, 0.4360, 0.4406



21.2589, 0.1885, 0.3042

Complementary

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



21.2589, 0.3123, 0.2343



33.3998, 0.3106, 0.4429

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.



21.2589, 0.2302, 0.3884



21.2589, 0.3123, 0.2343



21.2589, 0.3727, 0.4737

Square

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



21.2589, 0.3123, 0.2343



21.2589, 0.4684, 0.3863



21.2589, 0.2973, 0.4580



21.2589, 0.1773, 0.2432

Rectangle

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



21.2589, 0.3123, 0.2343



21.2589, 0.4381, 0.3099



21.2589, 0.2973, 0.4580



21.2589, 0.1990, 0.3309

Sweetspot

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



21.2598, 0.3123, 0.2343



59.6498, 0.3128, 0.2995



16.9697, 0.2444, 0.2219



13.0255, 0.3128, 0.2964



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.



21.2598, 0.3123, 0.2343



33.1943, 0.3119, 0.2154



20.7290, 0.3529, 0.2734



8.1229, 0.3128, 0.3066



7.9048, 0.3059, 0.1459



0.2272, 0.3108, 0.1486

Inverse Universe

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



19.8686, 0.4002, 0.3231



30.3972, 0.4294, 0.3220



33.8409, 0.2863, 0.3928



8.0230, 0.3277, 0.3277



6.5469, 0.6319, 0.3255



0.1846, 0.5985, 0.3071

Previews

White Background



This preview shows how the Yxy color 21.2589, 0.3123, 0.2343 looks on a white background.

Color Contrast Check

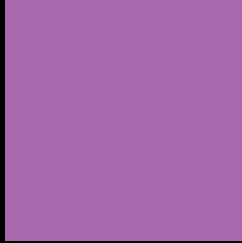
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2589, 0.3123, 0.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

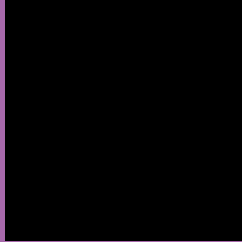
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2589, 0.3123, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 21.2589, 0.3123, 0.2343.



This preview shows how white text looks on a background with the Yxy color 21.2589, 0.3123, 0.2343.

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

21.2589, 0.3123, 0.2343

Protanopia

21.3809, 0.2387, 0.2282

Deuteranopia

21.3088, 0.2636, 0.2579



Tritanopia

21.2938, 0.3617, 0.3148

Trichromacy



Original Color

21.2589, 0.3123, 0.2343

Protanomaly

20.9602, 0.2614, 0.2295

Deuteranomaly

21.0183, 0.2802, 0.2485

Tritanomaly

21.0785, 0.3431, 0.2826

Monochromacy



Original Color

21.2589, 0.3123, 0.2343

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9237, 0.3122, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2589, 0.3123, 0.2343 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(167, 105, 171)` looks like.

```
.text, #text, p{  
    color:rgb(167, 105, 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(167, 105, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 105, 171) }
```

Border

The CSS property to change the border of an element to Yxy 21.2589, 0.3123, 0.2343 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(167, 105, 171) }
```

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

```
.border{ border-color:rgb(167, 105, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 105, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 105, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 105, 171);  
box-shadow:4px 4px 4px 4px rgb(167, 105,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2589, 0.3123, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 105, 171) }
```

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

```
.background{ background-color: rgb(167,  
105, 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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