

Converting Colors

$Y_{xy}(21.7767, 0.3104, 0.2365)$

Have a look what the booklet for
Yxy(21.7767, 0.3104, 0.2365)
contains.

Yxy(21.8107, 0.3099, 0.2369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8107, 0.3099, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	A66CAC
RGB	166, 108, 172
RGB Percent	65%, 42%, 67%
CMY	0.3491, 0.5764, 0.3256
CMYK	0.03, 0.37, 0.00, 0.33
HSL	294°, 28%, 55%
HSV	294°, 37%, 67%
XYZ	28.5316, 21.8107, 41.7248
YIQ	132.6380, 14.0240, 32.2000

Conversions

Conversions Part 2

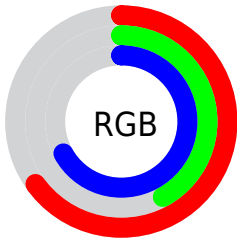
Format	Color
R _Y B	166, 108, 172
Decimal	10906796
CIE Lab	53.83, 33.81, -24.88
CIE LCh	54, 41.980, 323.653
Yxy	21.8107, 0.3099, 0.2369
Android (android.graphics.Color)	4289096876 (0xFFA66CAC)
YUV	132.6380, 19.4055, 29.2585
Hunter-Lab	46.7019, 27.3226, -20.2800

Details

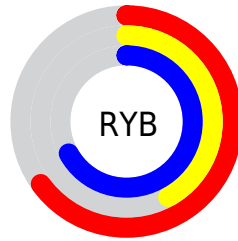
The Yxy color **21.8107, 0.3099, 0.2369** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **34.1574, 0.3126, 0.4376**, and the grayscale version is **23.2422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6208, 0.3110, 0.2549**, and **7.9705, 0.3076, 0.2095** is the 20% darker color. If you saturate the color by 10%, you get **18.3615, 0.3085, 0.2133**, and if you desaturate by 10%, it is **25.9795, 0.3110, 0.2617**.

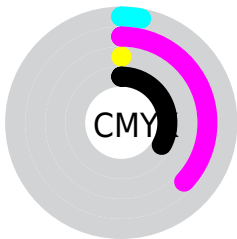
Distribution



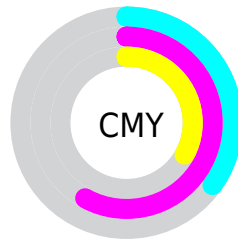
- Red (65%)
- Green (42%)
- Blue (67%)



- Red (65%)
- Yellow (42%)
- Blue (67%)



- Cyan (3%)
- Magenta (37%)
- Yellow (0%)
- Black (33%)





- Cyan (35%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8107, 0.3099, 0.2369 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 21.8107, 0.3099, 0.2369 by changing the saturation by 10% instead.


 21.8107, 0.3099,
0.2369


 21.8107, 0.3099,
0.2369


261.5561, 0.3128,
0.2850

 13.7179, 0.3086,
0.2243


 46.4329, 0.3114,
0.2548

 7.9247, 0.3065,
0.2079

 63.7311, 0.3118,
0.2614

 4.0468, 0.3028,
0.1858


 84.8665, 0.3121,
0.2670

 1.6998, 0.2959,
0.1545

 110.2236, 0.3123,
0.2717

 0.4235, 0.2855,
0.0937

140.1867, 0.3125,
0.2757

 0.0000, 0.1500,
0.0000

175.1402, 0.3126,

 0.0000, 0.0000,

0.2792

0.0000

215.4686, 0.3127,
0.2823

■ 21.8107, 0.3099,
0.2369

■ 21.8107, 0.3099,
0.2369

■ 18.3615, 0.3085,
0.2133

■ 25.9795, 0.3110,
0.2617

■ 15.5868, 0.3069,
0.1919

■ 30.9040, 0.3118,
0.2869

■ 13.4408, 0.3050,
0.1736


■ 36.6210, 0.3124,
0.3117

■ 11.8708, 0.3028,
0.1592


■ 43.1643, 0.3128,
0.3356


■ 10.8157, 0.3006,
0.1490


■ 50.5657, 0.3130,
0.3581

 10.1836, 0.2983,
0.1428

 58.8552, 0.3131,
0.3790

 10.0337, 0.2976,
0.1413

 68.0616, 0.3130,
0.3983

 78.2120, 0.3129,
0.4159

 84.2587, 0.3132,
0.4247

Harmonies

Analogous

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



21.8107, 0.2422, 0.2164



21.8107, 0.3099, 0.2369



21.8107, 0.3873, 0.2760

Triad

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



21.8107, 0.3099, 0.2369



21.8107, 0.4329, 0.4350



21.8107, 0.1945, 0.3083

Complementary

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



21.8107, 0.3099, 0.2369



34.1574, 0.3126, 0.4376

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.



21.8107, 0.2359, 0.3883



21.8107, 0.3099, 0.2369



21.8107, 0.3732, 0.4667

Square

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



21.8107, 0.3099, 0.2369



21.8107, 0.4619, 0.3830



21.8107, 0.3010, 0.4528



21.8107, 0.1824, 0.2486

Rectangle

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



21.8107, 0.3099, 0.2369



21.8107, 0.4304, 0.3093



21.8107, 0.3010, 0.4528



21.8107, 0.2050, 0.3340

Sweetspot

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



21.8116, 0.3099, 0.2369



62.1244, 0.3122, 0.3019



18.2939, 0.2477, 0.2301



13.2064, 0.3121, 0.2987



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.



21.8116, 0.3099, 0.2369



34.1130, 0.3087, 0.2165



21.5837, 0.3482, 0.2724



8.1094, 0.3123, 0.3065



7.4815, 0.2978, 0.1414



0.2189, 0.3053, 0.1455

Inverse Universe

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



20.7110, 0.3927, 0.3201



31.8716, 0.4215, 0.3182



34.3960, 0.2887, 0.3939



8.0271, 0.3272, 0.3269



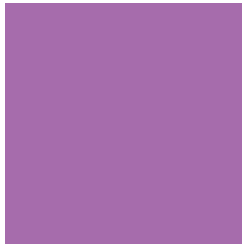
6.5587, 0.6272, 0.3229



0.1863, 0.5789, 0.2963

Previews

White Background



This preview shows how the Yxy color 21.8107, 0.3099, 0.2369 looks on a white background.

Color Contrast Check

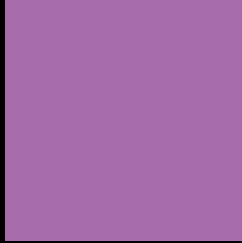
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8107, 0.3099, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

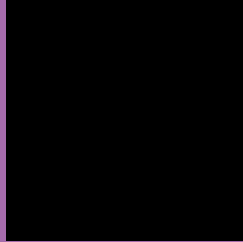
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8107, 0.3099, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 21.8107, 0.3099, 0.2369.



This preview shows how white text looks on a background with the Yxy color 21.8107, 0.3099, 0.2369.

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

21.8107, 0.3099, 0.2369

Protanopia

22.0816, 0.2416, 0.2321

Deuteranopia

21.9990, 0.2651, 0.2603



Tritanopia

21.7285, 0.3558, 0.3131

Trichromacy



Original Color

21.8107, 0.3099, 0.2369

Protanomaly

21.5562, 0.2618, 0.2317

Deuteranomaly

21.6159, 0.2805, 0.2506

Tritanomaly

21.6992, 0.3387, 0.2841

Monochromacy



Original Color

21.8107, 0.3099, 0.2369

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.5416, 0.3121, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8107, 0.3099, 0.2369 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(166, 108, 172)` looks like.

```
.text, #text, p{  
    color:rgb(166, 108, 172)  
}
```

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(166, 108, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 108, 172) }
```

Border

The CSS property to change the border of an element to Yxy 21.8107, 0.3099, 0.2369 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(166, 108, 172) }
```

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

```
.border{ border-color:rgb(166, 108, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 108, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 108, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 108, 172);  
box-shadow:4px 4px 4px 4px rgb(166, 108,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8107, 0.3099, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 108, 172) }
```

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

```
.background{ background-color: rgb(166,  
108, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor