

Converting Colors

$Y_{xy}(21.8986, 0.3777, 0.2274)$

Have a look what the booklet for
Yxy(21.8986, 0.3777, 0.2274)
contains.

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Color

Yxy(21.8733, 0.3779, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	D34DA5
RGB	211, 77, 165
RGB Percent	83%, 30%, 65%
CMY	0.1724, 0.6982, 0.3529
CMYK	0.00, 0.64, 0.22, 0.17
HSL	321°, 60%, 56%
HSV	321°, 64%, 83%
XYZ	36.3178, 21.8733, 37.9131
YIQ	127.0980, 51.6160, 55.7760

Conversions

Conversions Part 2

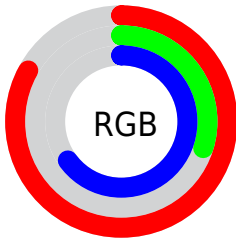
Format	Color
R _Y B	211, 77, 165
Decimal	13847973
CIE Lab	53.89, 61.56, -20.20
CIE LCh	54, 64.794, 341.835
Yxy	21.8733, 0.3779, 0.2276
Android (android.graphics.Color)	4292038053 (0xFFD34DA5)
YUV	127.0980, 18.6857, 73.5821
Hunter-Lab	46.7689, 56.7662, -15.3250

Details

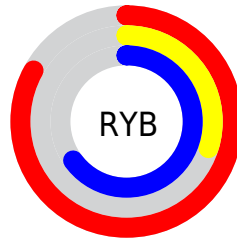
The Yxy color **21.8733, 0.3779, 0.2276** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **49.6116, 0.2817, 0.4668**, and the grayscale version is **21.1773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2024, 0.3504, 0.2420**, and **7.9646, 0.3990, 0.1972** is the 20% darker color. If you saturate the color by 10%, you get **19.1300, 0.3927, 0.2182**, and if you desaturate by 10%, it is **25.5912, 0.3640, 0.2406**.

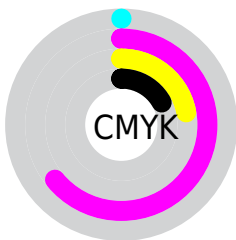
Distribution



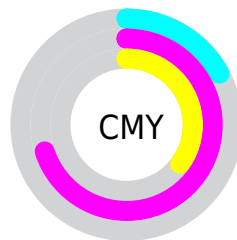
- Red (83%)
- Green (30%)
- Blue (65%)



- Red (83%)
- Yellow (30%)
- Blue (65%)



- Cyan (0%)
- Magenta (64%)
- Yellow (22%)
- Black (17%)




- Cyan (17%)
- Magenta (70%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8733, 0.3779, 0.2276 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 21.8733, 0.3779, 0.2276 by changing the saturation by 10% instead.


 21.8733, 0.3779,
0.2276


 21.8733, 0.3779,
0.2276

261.8839, 0.3437,
0.2797


 13.7638, 0.3869,
0.2143


 46.5365, 0.3651,
0.2468

 7.9566, 0.3987,
0.1971


 63.8590, 0.3604,
0.2539


 4.0672, 0.4149,
0.1743


 85.0214, 0.3565,
0.2600

 1.7112, 0.4380,
0.1428

 110.4079, 0.3531,
0.2651

 0.4309, 0.4799,
0.0851

 140.4030, 0.3503,
0.2695

 0.0000, 0.5600,
0.0000

175.3911, 0.3478,

 0.0000, 0.0000,

0.2734

0.0000

215.7566, 0.3456,
0.2767

■ 21.8733, 0.3779,
0.2276

■ 21.8733, 0.3779,
0.2276

■ 19.1300, 0.3927,
0.2182

■ 25.5912, 0.3640,
0.2406

■ 17.2611, 0.4079,
0.2132

■ 30.3643, 0.3514,
0.2560

■ 16.1507, 0.4229,
0.2134

■ 36.2685, 0.3401,
0.2727

■ 15.7063, 0.4324,
0.2156

■ 43.3718, 0.3304,
0.2899

■ 51.7368, 0.3220,
0.3070

■ 61.4218, 0.3149,
0.3234

■ 72.4812, 0.3090,
0.3389

■ 84.9667, 0.3040,
0.3535

■ 91.0988, 0.2999,
0.3550

Harmonies

Analogous

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



21.8733, 0.2625, 0.1848



21.8733, 0.3779, 0.2276



21.8733, 0.4883, 0.2896

Triad

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



21.8733, 0.3779, 0.2276



21.8733, 0.4266, 0.5139



21.8733, 0.1311, 0.2329

Complementary

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



21.8733, 0.3779, 0.2276



49.6116, 0.2817, 0.4668

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.



21.8733, 0.1581, 0.3381



21.8733, 0.3779, 0.2276



21.8733, 0.3261, 0.5459

Square

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



21.8733, 0.3779, 0.2276



21.8733, 0.5060, 0.4382



21.8733, 0.2272, 0.4747



21.8733, 0.1396, 0.1809

Rectangle

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



21.8733, 0.3779, 0.2276



21.8733, 0.5290, 0.3364



21.8733, 0.2272, 0.4747



21.8733, 0.1358, 0.2617

Sweetspot

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



21.8744, 0.3779, 0.2276



71.8627, 0.3266, 0.2973



14.1207, 0.2246, 0.1416



14.6133, 0.3291, 0.2924



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8744, 0.3779, 0.2276



28.2705, 0.3977, 0.2160



20.0640, 0.4822, 0.3043



11.9372, 0.3189, 0.3138



9.4952, 0.4303, 0.2144



0.5455, 0.4052, 0.2006

Inverse Universe

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



21.8744, 0.3779, 0.2276



28.2705, 0.3977, 0.2160



51.8425, 0.2475, 0.3614



11.9372, 0.3189, 0.3138



9.4952, 0.4303, 0.2144



0.5455, 0.4052, 0.2006

Previews

White Background



This preview shows how the Yxy color 21.8733, 0.3779, 0.2276 looks on a white background.

Color Contrast Check

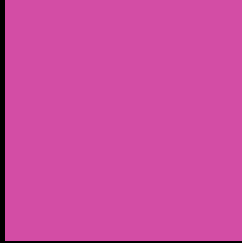
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8733, 0.3779, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

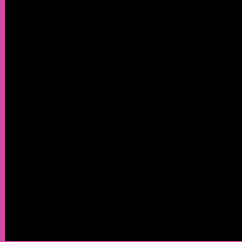
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8733, 0.3779, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 21.8733, 0.3779, 0.2276.



This preview shows how white text looks on a background with the Yxy color 21.8733, 0.3779, 0.2276.

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

21.8733, 0.3779, 0.2276

Protanopia

22.2572, 0.2249, 0.2109

Deuteranopia

22.2023, 0.2830, 0.2783



Tritanopia

21.9046, 0.4629, 0.3221

Trichromacy



Original Color

21.8733, 0.3779, 0.2276



Protanomaly

20.2741, 0.2654, 0.2098



Deuteranomaly

20.7444, 0.3139, 0.2513



Tritanomaly

21.7001, 0.4319, 0.2852

Monochromacy



Original Color

21.8733, 0.3779, 0.2276



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.1295, 0.3371, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8733, 0.3779, 0.2276 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(211, 77, 165)` looks like.

```
.text, #text, p{  
    color:rgb(211, 77, 165)  
}
```

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(211, 77, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 77, 165) }
```

Border

The CSS property to change the border of an element to Yxy 21.8733, 0.3779, 0.2276 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(211, 77, 165) }
```

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

```
.border{ border-color:rgb(211, 77, 165) }
```

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

Here you see how a box with a 4 pixel rgb(211, 77, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 77, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 77, 165);  
box-shadow:4px 4px 4px 4px rgb(211, 77,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8733, 0.3779, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 77, 165) }
```

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

```
.background{ background-color: rgb(211, 77,  
165) }
```

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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