

Converting Colors

$Y_{xy}(21.6664, 0.3825, 0.2180)$

Have a look what the booklet for
Yxy(21.6664, 0.3825, 0.2180)
contains.

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Color

Yxy(21.6664, 0.3825, 0.2180)

Conversions

Conversions Part 1

Format	Color
Hex	DA42A9
RGB	218, 66, 169
RGB Percent	85%, 26%, 66%
CMY	0.1452, 0.7410, 0.3373
CMYK	0.00, 0.70, 0.22, 0.15
HSL	319°, 67%, 56%
HSV	319°, 70%, 85%
XYZ	38.0156, 21.6664, 39.7052
YIQ	123.1900, 57.5290, 64.2570

Conversions

Conversions Part 2

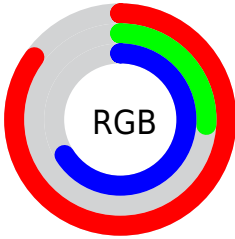
Format	Color
R _{YB}	218, 66, 169
Decimal	14303913
CIE _{Lab}	53.67, 68.09, -22.76
CIE _{LCh}	54, 71.790, 341.513
Y _{xy}	21.6664, 0.3825, 0.2180
Android (android.graphics.Color)	4292493993 (0xFFDA42A9)
YUV	123.1900, 22.5843, 83.1484
Hunter-Lab	46.5472, 64.3253, -17.9919

Details

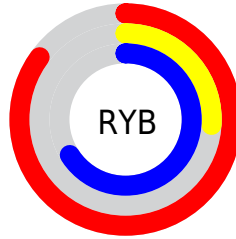
The Yxy color **21.6664, 0.3825, 0.2180** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **52.5277, 0.2824, 0.4877**, and the grayscale version is **19.7895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3090, 0.3474, 0.2313**, and **8.6553, 0.4003, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **19.3285, 0.3965, 0.2109**, and if you desaturate by 10%, it is **24.9908, 0.3690, 0.2293**.

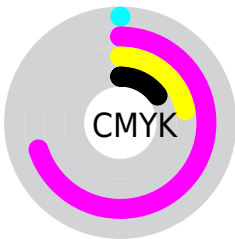
Distribution



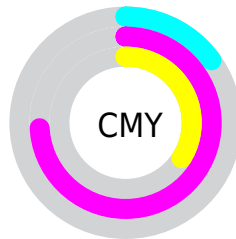
- Red (85%)
- Green (26%)
- Blue (66%)



- Red (85%)
- Yellow (26%)
- Blue (66%)



- Cyan (0%)
- Magenta (70%)
- Yellow (22%)
- Black (15%)




- Cyan (15%)
- Magenta (74%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6664, 0.3825, 0.2180 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 21.6664, 0.3825, 0.2180 by changing the saturation by 10% instead.


 21.6664, 0.3825,
0.2180


 21.6664, 0.3825,
0.2180


260.7992, 0.3462,
0.2745


 13.6120, 0.3919,
0.2038


 46.1940, 0.3690,
0.2386


 7.8513, 0.4042,
0.1857


 63.4360, 0.3641,
0.2464

 3.9999, 0.4207,
0.1619


 84.5093, 0.3599,
0.2529

 1.6735, 0.4439,
0.1298

 109.7983, 0.3563,
0.2585

 0.4064, 0.4850,
0.0726

 139.6874, 0.3533,
0.2633

 0.0000, 0.5483,
0.0000

174.5609, 0.3506,

 0.0000, 0.0000,

0.2675

0.0000

214.8034, 0.3483,
0.2712

■ 21.6664, 0.3825,
0.2180

■ 21.6664, 0.3825,
0.2180

■ 19.3285, 0.3965,
0.2109

■ 24.9908, 0.3690,
0.2293

■ 17.8567, 0.4105,
0.2088

■ 29.3973, 0.3564,
0.2437

■ 17.0503, 0.4241,
0.2111

■ 34.9737, 0.3451,
0.2602

■ 17.0293, 0.4245,
0.2112


■ 41.7981, 0.3350,
0.2777

■ 49.9414, 0.3263,
0.2954

 59.4697, 0.3188,
0.3128

 70.4441, 0.3125,
0.3295

 82.9224, 0.3072,
0.3452

 92.2614, 0.3029,
0.3526

Harmonies

Analogous

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



21.6664, 0.2556, 0.1730



21.6664, 0.3825, 0.2180



21.6664, 0.5061, 0.2832

Triad

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



21.6664, 0.3825, 0.2180



21.6664, 0.4324, 0.5268



21.6664, 0.1172, 0.2228

Complementary

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



21.6664, 0.3825, 0.2180



52.5277, 0.2824, 0.4877

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.



21.6664, 0.1445, 0.3386



21.6664, 0.3825, 0.2180



21.6664, 0.3237, 0.5714

Square

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



21.6664, 0.3825, 0.2180



21.6664, 0.5209, 0.4402



21.6664, 0.2177, 0.4952



21.6664, 0.1263, 0.1684

Rectangle

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



21.6664, 0.3825, 0.2180



21.6664, 0.5505, 0.3320



21.6664, 0.2177, 0.4952



21.6664, 0.1217, 0.2537

Sweetspot

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



21.6675, 0.3825, 0.2180



69.4007, 0.3275, 0.2928



12.5510, 0.2120, 0.1234



14.1375, 0.3299, 0.2879



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.



21.6675, 0.3825, 0.2180



26.3741, 0.4036, 0.2092



19.6100, 0.5049, 0.3012



13.1997, 0.3187, 0.3133



10.2256, 0.4226, 0.2102



0.6780, 0.4019, 0.1988

Inverse Universe

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



21.6675, 0.3825, 0.2180



26.3741, 0.4036, 0.2092



55.0119, 0.2456, 0.3689



13.1997, 0.3187, 0.3133



10.2256, 0.4226, 0.2102



0.6780, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 21.6664, 0.3825, 0.2180 looks on a white background.

Color Contrast Check

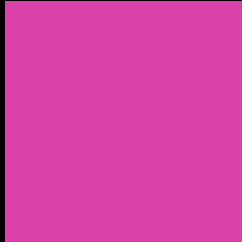
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6664, 0.3825, 0.2180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

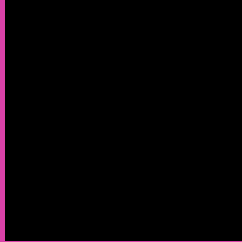
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6664, 0.3825, 0.2180

Background



This preview shows how black text looks on a background with the Yxy color 21.6664, 0.3825, 0.2180.



This preview shows how white text looks on a background with the Yxy color 21.6664, 0.3825, 0.2180.

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

21.6664, 0.3825, 0.2180

Protanopia

22.1549, 0.2122, 0.1937

Deuteranopia

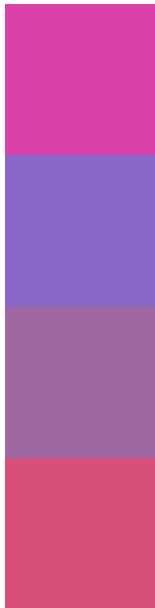
21.8197, 0.2770, 0.2715



Tritanopia

21.6186, 0.4842, 0.3238

Trichromacy



Original Color

21.6664, 0.3825, 0.2180

Protanomaly

19.4274, 0.2534, 0.1912

Deuteranomaly

19.9159, 0.3119, 0.2402

Tritanomaly

21.4139, 0.4487, 0.2822

Monochromacy



Original Color

21.6664, 0.3825, 0.2180

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.6653, 0.3397, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6664, 0.3825, 0.2180 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(218, 66, 169)` looks like.

```
.text, #text, p{  
    color:rgb(218, 66, 169)  
}
```

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(218, 66, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 66, 169) }
```

Border

The CSS property to change the border of an element to Yxy 21.6664, 0.3825, 0.2180 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(218, 66, 169) }
```

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

```
.border{ border-color:rgb(218, 66, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 66, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 66, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 66, 169); box-shadow:4px 4px 4px 4px rgb(218, 66, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6664, 0.3825, 0.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 66, 169) }
```

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

```
.background{ background-color: rgb(218, 66,  
169) }
```

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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