

Converting Colors

$Y_{xy}(21.3665, 0.4144, 0.2285)$

Have a look what the booklet for
Yxy(21.3665, 0.4144, 0.2285)
contains.

Yxy(21.3974, 0.4138, 0.2283)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3974, 0.4138, 0.2283)

Conversions

Conversions Part 1

Format	Color
Hex	E2389C
RGB	226, 56, 156
RGB Percent	89%, 22%, 61%
CMY	0.1137, 0.7805, 0.3882
CMYK	0.00, 0.75, 0.31, 0.11
HSL	325°, 75%, 55%
HSV	325°, 75%, 89%
XYZ	38.7834, 21.3974, 33.5442
YIQ	118.2300, 69.2200, 67.1400

Conversions

Conversions Part 2

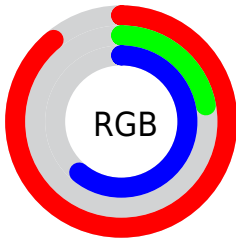
Format	Color
RYB	226, 56, 156
Decimal	14825628
CIELab	53.38, 71.80, -15.45
CIElCh	53, 73.442, 347.853
Yxy	21.3974, 0.4138, 0.2283
Android (android.graphics.Color)	4293015708 (0xFFE2389C)
YUV	118.2300, 18.6206, 94.5143
Hunter-Lab	46.2573, 68.7088, -10.6149

Details

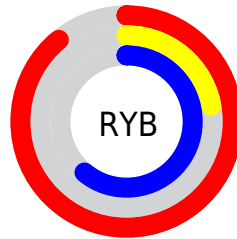
The Yxy color **21.3974, 0.4138, 0.2283** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **56.7473, 0.2755, 0.4796**, and the grayscale version is **18.1148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9200, 0.3618, 0.2367**, and **9.1269, 0.4397, 0.2196** is the 20% darker color. If you saturate the color by 10%, you get **19.3776, 0.4331, 0.2258**, and if you desaturate by 10%, it is **24.4315, 0.3950, 0.2356**.

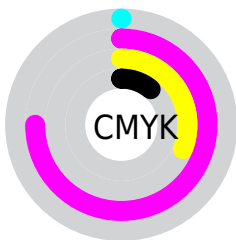
Distribution



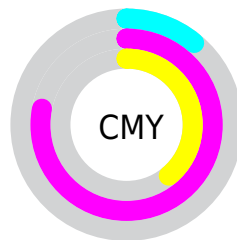
- Red (89%)
- Green (22%)
- Blue (61%)



- Red (89%)
- Yellow (22%)
- Blue (61%)



- Cyan (0%)
- Magenta (75%)
- Yellow (31%)
- Black (11%)





- Cyan (11%)
- Magenta (78%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3974, 0.4138, 0.2283 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 21.3974, 0.4138, 0.2283 by changing the saturation by 10% instead.

 21.3974, 0.4138,
0.2283


 21.3974, 0.4138,
0.2283


259.3830, 0.3594,
0.2806


 13.4148, 0.4286,
0.2148


 45.7480, 0.3931,
0.2477

 7.7148, 0.4484,
0.1973


 62.8848, 0.3856,
0.2549

 3.9130, 0.4760,
0.1738


 83.8417, 0.3794,
0.2609

 1.6250, 0.5167,
0.1413

 109.0032, 0.3741,
0.2660

 0.3744, 0.5922,
0.0778

 138.7537, 0.3696,
0.2704

 0.0000, 0.7918,
0.0000

173.4776, 0.3657,

 0.0000, 1.0000,

0.2743

0.0000

213.5592, 0.3624,
0.2776

■ 0.0000, 0.0000,
0.0000

■ 21.3974, 0.4138,
0.2283

■ 21.3974, 0.4138,
0.2283

■ 19.3776, 0.4331,
0.2258

■ 24.4315, 0.3950,
0.2356

■ 18.2233, 0.4521,
0.2287


■ 28.5948, 0.3774,
0.2467


■ 17.8638, 0.4611,
0.2314


■ 33.9907, 0.3615,
0.2603


■ 40.7094, 0.3475,
0.2754

■ 48.8330, 0.3354,
0.2910

 58.4366, 0.3252,
0.3066

 69.5901, 0.3166,
0.3215

 82.3590, 0.3095,
0.3356

 93.9681, 0.3036,
0.3444

Harmonies

Analogous

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



21.3974, 0.2786, 0.1775



21.3974, 0.4138, 0.2283



21.3974, 0.5301, 0.2970

Triad

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



21.3974, 0.4138, 0.2283



21.3974, 0.4107, 0.5465



21.3974, 0.1128, 0.2037

Complementary

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



21.3974, 0.4138, 0.2283



56.7473, 0.2755, 0.4796

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.



21.3974, 0.1314, 0.3073



21.3974, 0.4138, 0.2283



21.3974, 0.2986, 0.5742

Square

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



21.3974, 0.4138, 0.2283



21.3974, 0.5083, 0.4597



21.3974, 0.1953, 0.4681



21.3974, 0.1292, 0.1594

Rectangle

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



21.3974, 0.4138, 0.2283



21.3974, 0.5614, 0.3471



21.3974, 0.1953, 0.4681



21.3974, 0.1147, 0.2305

Sweetspot

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



21.3985, 0.4138, 0.2283



66.6592, 0.3332, 0.2943



12.6031, 0.2148, 0.1154



13.3580, 0.3372, 0.2886



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.



21.3985, 0.4138, 0.2283



24.5330, 0.4434, 0.2267



19.4786, 0.5505, 0.3155



13.8352, 0.3201, 0.3153



10.2139, 0.4582, 0.2298



0.7256, 0.4313, 0.2150

Inverse Universe

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



21.3985, 0.4138, 0.2283



24.5330, 0.4434, 0.2267



59.8454, 0.2374, 0.3522



13.8352, 0.3201, 0.3153



10.2139, 0.4582, 0.2298



0.7256, 0.4313, 0.2150

Previews

White Background



This preview shows how the Yxy color 21.3974, 0.4138, 0.2283 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 21.3974, 0.4138, 0.2283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

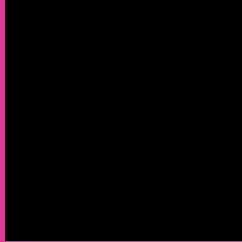
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3974, 0.4138, 0.2283

Background



This preview shows how black text looks on a background with the Yxy color 21.3974, 0.4138, 0.2283.



This preview shows how white text looks on a background with the Yxy color 21.3974, 0.4138, 0.2283.

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

21.3974, 0.4138, 0.2283

Protanopia

21.9193, 0.2203, 0.2052

Deuteranopia

21.5991, 0.2961, 0.2912



Tritanopia

21.4455, 0.5161, 0.3246

Trichromacy



Original Color

21.3974, 0.4138, 0.2283



Protanomaly

18.8675, 0.2685, 0.2007



Deuteranomaly

19.4233, 0.3373, 0.2540



Tritanomaly

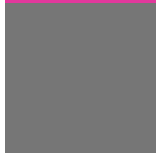
21.1941, 0.4814, 0.2879

Monochromacy



Original Color

21.3974, 0.4138, 0.2283



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.0185, 0.3511, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3974, 0.4138, 0.2283 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(226, 56, 156)` looks like.

```
.text, #text, p{  
    color:rgb(226, 56, 156)  
}
```

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(226, 56, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 56, 156) }
```

Border

The CSS property to change the border of an element to Yxy 21.3974, 0.4138, 0.2283 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(226, 56, 156) }
```

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

```
.border{ border-color:rgb(226, 56, 156) }
```

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

Here you see how a box with a 4 pixel rgb(226, 56, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 56, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 56, 156);  
box-shadow:4px 4px 4px 4px rgb(226, 56,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3974, 0.4138, 0.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 56, 156) }
```

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

```
.background{ background-color: rgb(226, 56,  
156) }
```

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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