

Converting Colors

$Y_{xy}(21.3817, 0.3274, 0.1667)$

Have a look what the booklet for
Yxy(21.3817, 0.3274, 0.1667)
contains.

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Color

Yxy(21.3817, 0.3274, 0.1667)

Conversions

Conversions Part 1

Format	Color
Hex	DB28D5
RGB	219, 40, 213
RGB Percent	86%, 16%, 84%
CMY	0.1410, 0.8435, 0.1646
CMYK	0.00, 0.82, 0.03, 0.14
HSL	302°, 71%, 51%
HSV	302°, 82%, 86%
XYZ	41.9938, 21.3817, 64.8890
YIQ	113.2430, 51.1510, 91.7510

Conversions

Conversions Part 2

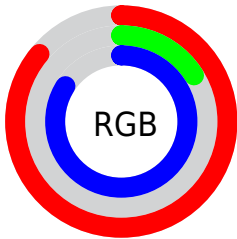
Format	Color
R _Y B	219, 40, 213
Decimal	14362837
CIE Lab	53.36, 81.83, -48.71
CIE LCh	53, 95.234, 329.236
Yxy	21.3817, 0.3274, 0.1667
Android (android.graphics.Color)	4292552917 (0xFFDB28D5)
YUV	113.2430, 49.1802, 92.7489
Hunter-Lab	46.2404, 81.1866, -50.8333

Details

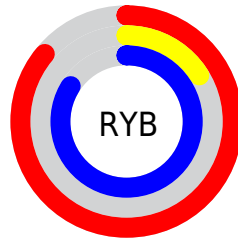
The Yxy color **21.3817, 0.3274, 0.1667** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **51.3273, 0.2997, 0.5760**, and the grayscale version is **16.4161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6319, 0.3190, 0.1949**, and **9.8396, 0.3225, 0.1550** is the 20% darker color. If you saturate the color by 10%, you get **20.2670, 0.3287, 0.1610**, and if you desaturate by 10%, it is **23.3333, 0.3259, 0.1767**.

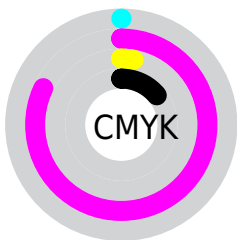
Distribution



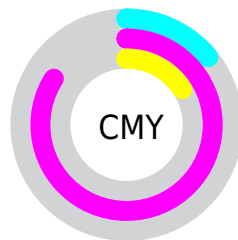
- Red (86%)
- Green (16%)
- Blue (84%)



- Red (86%)
- Yellow (16%)
- Blue (84%)



- Cyan (0%)
- Magenta (82%)
- Yellow (3%)
- Black (14%)





- Cyan (14%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3817, 0.3274, 0.1667 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 21.3817, 0.3274, 0.1667 by changing the saturation by 10% instead.


 21.3817, 0.3274,
0.1667


 21.3817, 0.3274,
0.1667


259.3001, 0.3242,
0.2434


 13.4033, 0.3268,
0.1496

 45.7219, 0.3273,
0.1932


 7.7068, 0.3253,
0.1289


 62.8525, 0.3269,
0.2036

 3.9079, 0.3220,
0.1040


 83.8027, 0.3265,
0.2125

 1.6222, 0.3150,
0.0742

 108.9568, 0.3260,
0.2203

 0.3725, 0.3029,
0.0329

 138.6991, 0.3256,
0.2271

 0.0000, 0.2720,
0.0000

173.4142, 0.3251,

 0.0000, 0.1440,

0.2332

0.0000

213.4864, 0.3247,
0.2386

■ 0.0000, 0.0000,
0.0000

■ 21.3817, 0.3274,
0.1667

■ 21.3817, 0.3274,
0.1667

■ 20.2670, 0.3287,
0.1610

■ 23.3333, 0.3259,
0.1767

■ 19.8040, 0.3296,
0.1589

■ 26.2424, 0.3242,
0.1909

■ 30.2130, 0.3223,
0.2088

■ 35.3350, 0.3204,
0.2298

■ 41.6886, 0.3185,
0.2528

■ 49.3471, 0.3165,
0.2768

■ 58.3778, 0.3147,
0.3011

■ 68.8435, 0.3130,
0.3249

■ 80.8031, 0.3114,
0.3476

Harmonies

Analogous

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



21.3817, 0.1888, 0.1287



21.3817, 0.3274, 0.1667



21.3817, 0.5064, 0.2324

Triad

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



21.3817, 0.3274, 0.1667



21.3817, 0.4905, 0.5095



21.3817, 0.0837, 0.2339

Complementary

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



21.3817, 0.3274, 0.1667



51.3273, 0.2997, 0.5760

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.



21.3817, 0.1277, 0.4246



21.3817, 0.3274, 0.1667



21.3817, 0.3574, 0.6244

Square

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



21.3817, 0.3274, 0.1667



21.3817, 0.5913, 0.3956



21.3817, 0.2289, 0.6286



21.3817, 0.0825, 0.1479

Rectangle

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



21.3817, 0.3274, 0.1667



21.3817, 0.5928, 0.2834



21.3817, 0.2289, 0.6286



21.3817, 0.0924, 0.2845

Sweetspot

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



21.3827, 0.3274, 0.1667



65.7140, 0.3172, 0.2685



7.2054, 0.1638, 0.0805



13.2490, 0.3179, 0.2600



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.



21.3827, 0.3274, 0.1667



28.0634, 0.3294, 0.1593



18.0193, 0.4651, 0.2495



13.2669, 0.3143, 0.3067



11.7419, 0.3294, 0.1588



0.7631, 0.3279, 0.1580

Inverse Universe

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



21.3827, 0.3274, 0.1667



28.0634, 0.3294, 0.1593



52.8925, 0.2658, 0.4592



13.2669, 0.3143, 0.3067



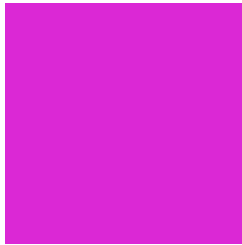
11.7419, 0.3294, 0.1588



0.7631, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 21.3817, 0.3274, 0.1667 looks on a white background.

Color Contrast Check

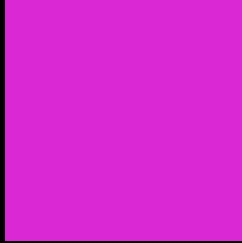
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3817, 0.3274, 0.1667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

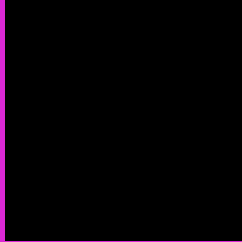
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3817, 0.3274, 0.1667

Background



This preview shows how black text looks on a background with the Yxy color 21.3817, 0.3274, 0.1667.



This preview shows how white text looks on a background with the Yxy color 21.3817, 0.3274, 0.1667.

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

21.3817, 0.3274, 0.1667

Protanopia

22.0666, 0.1792, 0.1515

Deuteranopia

21.7301, 0.2179, 0.2124



Tritanopia

21.4223, 0.4739, 0.3223

Trichromacy



Original Color

21.3817, 0.3274, 0.1667



Protanomaly

17.0630, 0.1999, 0.1346



Deuteranomaly

18.0078, 0.2456, 0.1744



Tritanomaly

20.3477, 0.4190, 0.2520

Monochromacy



Original Color

21.3817, 0.3274, 0.1667



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.5009, 0.3216, 0.2297

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3817, 0.3274, 0.1667 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(219, 40, 213)` looks like.

```
.text, #text, p{  
    color:rgb(219, 40, 213)  
}
```

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(219, 40, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 40, 213) }
```

Border

The CSS property to change the border of an element to Yxy 21.3817, 0.3274, 0.1667 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(219, 40, 213) }
```

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

```
.border{ border-color:rgb(219, 40, 213) }
```

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

Here you see how a box with a 4 pixel rgb(219, 40, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 40, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 40, 213);  
box-shadow:4px 4px 4px 4px rgb(219, 40,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3817, 0.3274, 0.1667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 40, 213) }
```

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

```
.background{ background-color: rgb(219, 40,  
213) }
```

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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