

Converting Colors

$Y_{xy}(28.0002, 0.3778, 0.1982)$

Have a look what the booklet for
Yxy(28.0002, 0.3778, 0.1982)
contains.

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Color

Yxy(27.9873, 0.3781, 0.1985)

Conversions

Conversions Part 1

Format	Color
Hex	FF33CC
RGB	255, 51, 204
RGB Percent	100%, 20%, 80%
CMY	0.0001, 0.7996, 0.2001
CMYK	0.00, 0.80, 0.20, 0.00
HSL	315°, 100%, 60%
HSV	315°, 80%, 100%
XYZ	53.3098, 27.9873, 59.6968
YIQ	129.4380, 72.4710, 90.8310

Conversions

Conversions Part 2

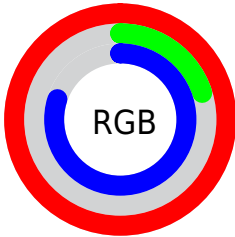
Format	Color
RYB	255, 51, 204
Decimal	16724940
CIELab	59.88, 85.29, -32.87
CIELCh	60, 91.401, 338.924
Yxy	27.9873, 0.3781, 0.1985
Android (android.graphics.Color)	4294915020 (0xFFFF33CC)
YUV	129.4380, 36.7591, 110.1179
Hunter-Lab	52.9030, 87.2923, -29.8719

Details

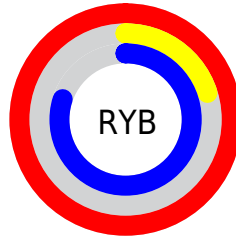
The Yxy color **27.9873, 0.3781, 0.1985** is a light color, and the websafe version is hex **FF33CC**, and the color name is **razzle dazzle rose**. The color can be described as light washed magenta. A complement of this color would be **73.1660, 0.2878, 0.5328**, and the grayscale version is **21.9826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **13.6393, 0.3902, 0.1923** is the 20% darker color. If you saturate the color by 10%, you get **26.0334, 0.3883, 0.1954**, and if you desaturate by 10%, it is **31.1767, 0.3678, 0.2065**.

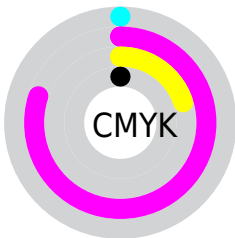
Distribution



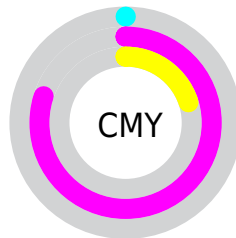
- Red (100%)
- Green (20%)
- Blue (80%)



- Red (100%)
- Yellow (20%)
- Blue (80%)



- Cyan (0%)
- Magenta (80%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (80%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9873, 0.3781, 0.1985 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 27.9873, 0.3781, 0.1985 by changing the saturation by 10% instead.


 27.9873, 0.3781,
0.1985


 27.9873, 0.3781,
0.1985


292.4062, 0.3469,
0.2603


 18.3161, 0.3853,
0.1844

 56.4642, 0.3672,
0.2200


 11.1772, 0.3942,
0.1670


 76.0386, 0.3630,
0.2284

 6.1861, 0.4054,
0.1454


 99.6829, 0.3593,
0.2356

 2.9586, 0.4196,
0.1182

 127.7815, 0.3562,
0.2418

 1.1101, 0.4379,
0.0838

 160.7187, 0.3534,
0.2473

 0.0000, 0.4814,
0.0000

198.8790, 0.3510,

 0.0000, 0.4874,

0.2521

0.0000

242.6467, 0.3488,
0.2564

■ 0.0000, 0.0000,
0.0000

■ 27.9873, 0.3781,
0.1985

■ 27.9873, 0.3781,
0.1985

■ 26.0334, 0.3883,
0.1954

■ 31.1767, 0.3678,
0.2065

■ 25.0267, 0.3981,
0.1967

■ 35.7720, 0.3576,
0.2188

■ 25.0228, 0.3981,
0.1967

■ 41.9210, 0.3479,
0.2344

■ 49.7518, 0.3390,
0.2523

■ 59.3790, 0.3310,
0.2716

70.9073, 0.3240,
0.2912

84.4331, 0.3179,
0.3105

99.9930, 0.3127,
0.3290

99.9934, 0.3127,
0.3290

Harmonies

Analogous

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



27.9873, 0.2358, 0.1527



27.9873, 0.3781, 0.1985



27.9873, 0.5271, 0.2669

Triad

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



27.9873, 0.3781, 0.1985



27.9873, 0.4463, 0.5363



27.9873, 0.0969, 0.2128

Complementary

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



27.9873, 0.3781, 0.1985



73.1660, 0.2878, 0.5328

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.



27.9873, 0.1268, 0.3517



27.9873, 0.3781, 0.1985



27.9873, 0.3255, 0.6112

Square

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



27.9873, 0.3781, 0.1985



27.9873, 0.5478, 0.4324



27.9873, 0.2086, 0.5432



27.9873, 0.1048, 0.1515

Rectangle

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



27.9873, 0.3781, 0.1985



27.9873, 0.5820, 0.3176



27.9873, 0.2086, 0.5432



27.9873, 0.1020, 0.2489

Sweetspot

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



27.9887, 0.3781, 0.1985



66.0274, 0.3267, 0.2832



12.4243, 0.1861, 0.0935



13.2657, 0.3293, 0.2762



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.



27.9887, 0.3781, 0.1985



25.3655, 0.3942, 0.1958



24.5916, 0.5311, 0.2914



18.2181, 0.3177, 0.3113



13.1042, 0.3966, 0.1958



1.2934, 0.3860, 0.1900

Inverse Universe

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



27.9887, 0.3781, 0.1985



25.3655, 0.3942, 0.1958



76.5642, 0.2476, 0.3947



18.2181, 0.3177, 0.3113



13.1042, 0.3966, 0.1958



1.2934, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 27.9873, 0.3781, 0.1985 looks on a white background.

Color Contrast Check

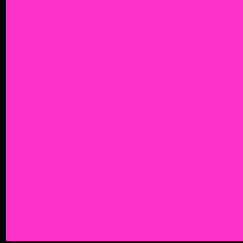
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9873, 0.3781, 0.1985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

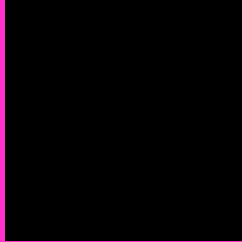
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9873, 0.3781, 0.1985

Background



This preview shows how black text looks on a background with the Yxy color 27.9873, 0.3781, 0.1985.



This preview shows how white text looks on a background with the Yxy color 27.9873, 0.3781, 0.1985.

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

27.9873, 0.3781, 0.1985

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.0573, 0.2597, 0.2538



Tritanopia

27.9195, 0.5104, 0.3249

Trichromacy



Original Color

27.9873, 0.3781, 0.1985



Protanomaly

23.3606, 0.2398, 0.1684



Deuteranomaly

24.2699, 0.2971, 0.2148



Tritanomaly

27.0579, 0.4658, 0.2739

Monochromacy



Original Color

27.9873, 0.3781, 0.1985



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.8216, 0.3408, 0.2505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9873, 0.3781, 0.1985 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(255, 51, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 204)  
}
```

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(255, 51, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 204) }
```

Border

The CSS property to change the border of an element to Yxy 27.9873, 0.3781, 0.1985 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(255, 51, 204) }
```

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

```
.border{ border-color:rgb(255, 51, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9873, 0.3781, 0.1985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 204) }
```

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

```
.background{ background-color: rgb(255, 51,  
204) }
```

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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