

Converting Colors

Yxy(31.9027, 0.3723, 0.2141)

Have a look what the booklet for
Yxy(31.9027, 0.3723, 0.2141)
contains.

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Color

Yxy(31.9027, 0.3723, 0.2141)

Conversions

Conversions Part 1

Format	Color
Hex	FF53CE
RGB	255, 83, 206
RGB Percent	100%, 33%, 81%
CMY	0.0000, 0.6745, 0.1921
CMYK	0.00, 0.67, 0.19, 0.00
HSL	317°, 100%, 66%
HSV	317°, 67%, 100%
XYZ	55.4758, 31.9027, 61.6299
YIQ	148.4500, 63.0290, 74.7170

Conversions

Conversions Part 2

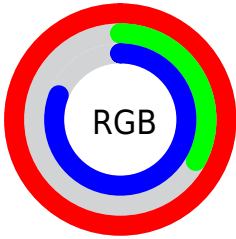
Format	Color
R _Y B	255, 83, 206
Decimal	16733134
CIE Lab	63.26, 76.21, -28.78
CIE LCh	63, 81.460, 339.310
Yxy	31.9027, 0.3723, 0.2141
Android (android.graphics.Color)	4294923214 (0xFFFF53CE)
YUV	148.4500, 28.3722, 93.4444
Hunter-Lab	56.4825, 76.4744, -25.1555

Details

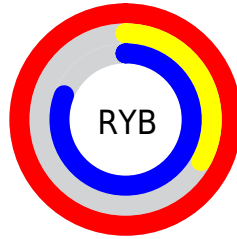
The Yxy color **31.9027, 0.3723, 0.2141** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.0248, 0.2851, 0.4919**, and the grayscale version is **29.6713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **13.7037, 0.3866, 0.1903** is the 20% darker color. If you saturate the color by 10%, you get **28.3476, 0.3844, 0.2056**, and if you desaturate by 10%, it is **36.9088, 0.3606, 0.2268**.

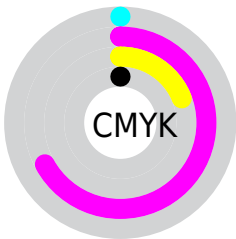
Distribution



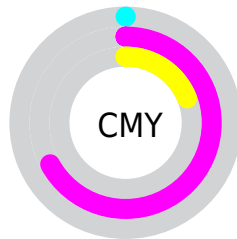
- Red (100%)
- Green (33%)
- Blue (81%)



- Red (100%)
- Yellow (33%)
- Blue (81%)



- Cyan (0%)
- Magenta (67%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9027, 0.3723, 0.2141 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 31.9027, 0.3723, 0.2141 by changing the saturation by 10% instead.


 31.9027, 0.3723,
0.2141


 31.9027, 0.3723,
0.2141


310.6758, 0.3438,
0.2685

 21.2872, 0.3789,
0.2016


 62.6585, 0.3623,
0.2331

 13.3341, 0.3872,
0.1861


 83.5676, 0.3584,
0.2405

 7.6590, 0.3976,
0.1667


 108.6767, 0.3551,
0.2468

 3.8775, 0.4112,
0.1418

 138.3702, 0.3523,
0.2523

 1.6053, 0.4292,
0.1094

173.0324, 0.3497,
0.2571

 0.3612, 0.4600,
0.0541

213.0479, 0.3475,

 0.0000, 0.4940,

0.2613

0.0000

258.8008, 0.3456,
0.2651

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.9027, 0.3723,
0.2141

■ 31.9027, 0.3723,
0.2141

■ 28.3476, 0.3844,
0.2056

■ 36.9088, 0.3606,
0.2268

■ 26.0758, 0.3964,
0.2018


■ 43.5060, 0.3497,
0.2425

■ 24.8708, 0.4081,
0.2030

■ 51.8190, 0.3399,
0.2601

■ 24.6524, 0.4110,
0.2038

■ 61.9599, 0.3311,
0.2788

 74.0311, 0.3235,
0.2975

 88.1276, 0.3169,
0.3159

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.9027, 0.2479, 0.1710



31.9027, 0.3723, 0.2141



31.9027, 0.4984, 0.2782

Triad

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



31.9027, 0.3723, 0.2141



31.9027, 0.4398, 0.5206



31.9027, 0.1182, 0.2292

Complementary

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



31.9027, 0.3723, 0.2141



75.0248, 0.2851, 0.4919

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.



31.9027, 0.1486, 0.3496



31.9027, 0.3723, 0.2141



31.9027, 0.3320, 0.5708

Square

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



31.9027, 0.3723, 0.2141



31.9027, 0.5254, 0.4337



31.9027, 0.2250, 0.5047



31.9027, 0.1249, 0.1711

Rectangle

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



31.9027, 0.3723, 0.2141



31.9027, 0.5471, 0.3266



31.9027, 0.2250, 0.5047



31.9027, 0.1237, 0.2618

Sweetspot

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



31.9031, 0.3723, 0.2141



70.7651, 0.3253, 0.2928



18.2907, 0.2105, 0.1258



14.4081, 0.3274, 0.2875



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.



31.9031, 0.3723, 0.2141



27.4039, 0.3887, 0.2037



28.8092, 0.4899, 0.2956



18.2069, 0.3182, 0.3122



12.9084, 0.4092, 0.2028



1.2757, 0.3967, 0.1959

Inverse Universe

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



31.9031, 0.3723, 0.2141



27.4039, 0.3887, 0.2037



78.4070, 0.2487, 0.3753



18.2069, 0.3182, 0.3122



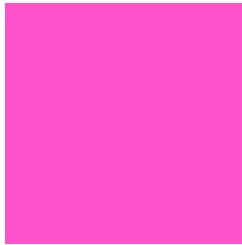
12.9084, 0.4092, 0.2028



1.2757, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 31.9027, 0.3723, 0.2141 looks on a white background.

Color Contrast Check

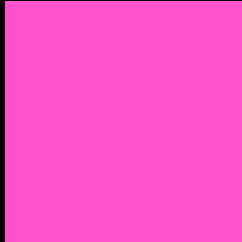
Large Text (above 18pt) WCAG AA × Fail

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 31.9027, 0.3723, 0.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

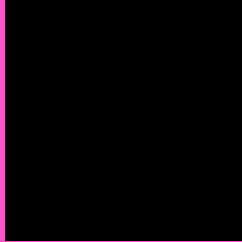
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9027, 0.3723, 0.2141

Background



This preview shows how black text looks on a background with the Yxy color 31.9027, 0.3723, 0.2141.



This preview shows how white text looks on a background with the Yxy color 31.9027, 0.3723, 0.2141.

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

31.9027, 0.3723, 0.2141

Protanopia

32.3477, 0.2123, 0.1940

Deuteranopia

32.2297, 0.2699, 0.2646



Tritanopia

31.7602, 0.4743, 0.3214

Trichromacy



Original Color

31.9027, 0.3723, 0.2141



Protanomaly

28.8227, 0.2517, 0.1917



Deuteranomaly

29.5309, 0.3027, 0.2344



Tritanomaly

31.4176, 0.4378, 0.2790

Monochromacy



Original Color

31.9027, 0.3723, 0.2141



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

27.8447, 0.3359, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9027, 0.3723, 0.2141 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, 83, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 206)  
}
```

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, 83, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 206) }
```

Border

The CSS property to change the border of an element to Yxy 31.9027, 0.3723, 0.2141 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, 83, 206) }
```

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

```
.border{ border-color:rgb(255, 83, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 83, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9027, 0.3723, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 206) }
```

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

```
.background{ background-color: rgb(255, 83,  
206) }
```

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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