

Converting Colors

$Y_{xy}(27.0147, 0.3838, 0.1975)$

Have a look what the booklet for
Yxy(27.0147, 0.3838, 0.1975)
contains.

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Color

Yxy(27.0160, 0.3841, 0.1978)

Conversions

Conversions Part 1

Format	Color
Hex	FF29C8
RGB	255, 41, 200
RGB Percent	100%, 16%, 78%
CMY	0.0000, 0.8392, 0.2156
CMYK	0.00, 0.84, 0.22, 0.00
HSL	315°, 100%, 58%
HSV	315°, 84%, 100%
XYZ	52.4613, 27.0160, 57.1051
YIQ	123.1120, 76.5050, 94.8170

Conversions

Conversions Part 2

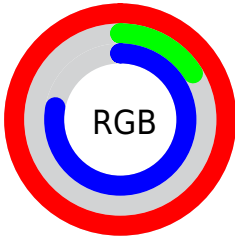
Format	Color
R _Y B	255, 41, 200
Decimal	16722376
CIE Lab	58.99, 86.92, -32.00
CIE LCh	59, 92.618, 339.790
Yxy	27.0160, 0.3841, 0.1978
Android (android.graphics.Color)	4294912456 (0xFFFF29C8)
YUV	123.1120, 37.9058, 115.6658
Hunter-Lab	51.9769, 89.2039, -28.7559

Details

The Yxy color **27.0160, 0.3841, 0.1978** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **72.8353, 0.2879, 0.5407**, and the grayscale version is **19.6989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **13.4128, 0.3942, 0.1945** is the 20% darker color. If you saturate the color by 10%, you get **25.4870, 0.3945, 0.1968**, and if you desaturate by 10%, it is **29.6983, 0.3734, 0.2038**.

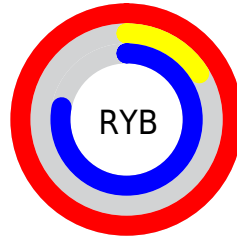
Distribution



Red (100%)

Green (16%)

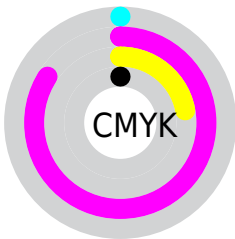
Blue (78%)



Red (100%)

Yellow (16%)

Blue (78%)

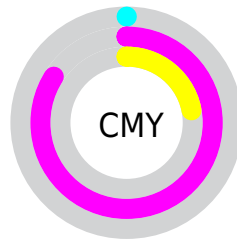


Cyan (0%)

Magenta (84%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (84%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0160, 0.3841, 0.1978 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 27.0160, 0.3841, 0.1978 by changing the saturation by 10% instead.


 27.0160, 0.3841,
0.1978


 27.0160, 0.3841,
0.1978


287.7346, 0.3496,
0.2603


 17.5852, 0.3922,
0.1834


 54.9095, 0.3719,
0.2196


 10.6526, 0.4023,
0.1658

 74.1411, 0.3672,
0.2281

 5.8338, 0.4151,
0.1438


 97.4084, 0.3632,
0.2354

 2.7443, 0.4316,
0.1159

 125.0958, 0.3598,
0.2417

 0.9997, 0.4533,
0.0808

 157.5878, 0.3567,
0.2472

 0.0000, 0.5011,
0.0000

195.2686, 0.3541,

 0.0000, 0.5158,

0.2521

0.0000

238.5227, 0.3517,
0.2564

■ 0.0000, 0.0000,
0.0000

■ 27.0160, 0.3841,
0.1978

■ 27.0160, 0.3841,
0.1978

■ 25.4870, 0.3945,
0.1968

■ 29.6983, 0.3734,
0.2038


■ 24.9554, 0.4006,
0.1980


■ 33.7234, 0.3628,
0.2143


■ 39.2478, 0.3527,
0.2286

■ 46.4062, 0.3432,
0.2457

■ 55.3181, 0.3346,
0.2644

 66.0918, 0.3270,
0.2838

 78.8270, 0.3204,
0.3031

 93.6161, 0.3147,
0.3219

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.



27.0160, 0.2375, 0.1508



27.0160, 0.3841, 0.1978



27.0160, 0.5357, 0.2673

Triad

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



27.0160, 0.3841, 0.1978



27.0160, 0.4434, 0.5419



27.0160, 0.0934, 0.2071

Complementary

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



27.0160, 0.3841, 0.1978



72.8353, 0.2879, 0.5407

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.



27.0160, 0.1216, 0.3462



27.0160, 0.3841, 0.1978



27.0160, 0.3202, 0.6186

Square

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



27.0160, 0.3841, 0.1978



27.0160, 0.5485, 0.4348



27.0160, 0.2024, 0.5448



27.0160, 0.1024, 0.1473

Rectangle

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



27.0160, 0.3841, 0.1978



27.0160, 0.5891, 0.3183



27.0160, 0.2024, 0.5448



27.0160, 0.0979, 0.2429

Sweetspot

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



27.0165, 0.3841, 0.1978



64.8404, 0.3278, 0.2817



11.2113, 0.1805, 0.0861



13.0372, 0.3304, 0.2748



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.



27.0165, 0.3841, 0.1978



24.9554, 0.4006, 0.1980



23.6625, 0.5462, 0.2933



18.2160, 0.3178, 0.3115



13.0653, 0.3990, 0.1972



1.2899, 0.3881, 0.1911

Inverse Universe

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



27.0165, 0.3841, 0.1978



24.9554, 0.4006, 0.1980



76.2318, 0.2471, 0.3985



18.2160, 0.3178, 0.3115



13.0653, 0.3990, 0.1972



1.2899, 0.3881, 0.1911

Previews

White Background



This preview shows how the Yxy color 27.0160, 0.3841, 0.1978 looks on a white background.

Color Contrast Check

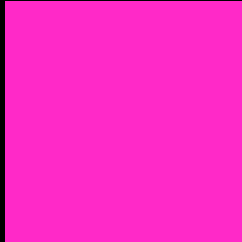
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0160, 0.3841, 0.1978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

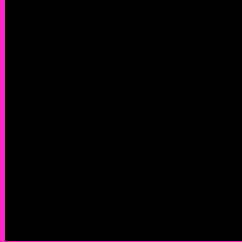
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0160, 0.3841, 0.1978

Background



This preview shows how black text looks on a background with the Yxy color 27.0160, 0.3841, 0.1978.



This preview shows how white text looks on a background with the Yxy color 27.0160, 0.3841, 0.1978.

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

27.0160, 0.3841, 0.1978

Protanopia

27.6637, 0.1981, 0.1761

Deuteranopia

27.2123, 0.2614, 0.2558



Tritanopia

27.0037, 0.5204, 0.3251

Trichromacy



Original Color

27.0160, 0.3841, 0.1978



Protanomaly

21.9017, 0.2363, 0.1623



Deuteranomaly

22.9365, 0.3000, 0.2126



Tritanomaly

26.1587, 0.4742, 0.2735

Monochromacy



Original Color

27.0160, 0.3841, 0.1978



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.7210, 0.3436, 0.2446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0160, 0.3841, 0.1978 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, 41, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 200)  
}
```

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, 41, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 200) }
```

Border

The CSS property to change the border of an element to Yxy 27.0160, 0.3841, 0.1978 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, 41, 200) }
```

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

```
.border{ border-color:rgb(255, 41, 200) }
```

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

Here you see how a box with a 4 pixel rgb(255, 41, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0160, 0.3841, 0.1978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 200) }
```

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

```
.background{ background-color: rgb(255, 41,  
200) }
```

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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