

Converting Colors

$Y_{xy}(27.7586, 0.3600, 0.1826)$

Have a look what the booklet for
Yxy(27.7586, 0.3600, 0.1826)
contains.

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Color

Yxy(27.7607, 0.3601, 0.1827)

Conversions

Conversions Part 1

Format	Color
Hex	FF26DB
RGB	255, 38, 219
RGB Percent	100%, 15%, 86%
CMY	0.0000, 0.8508, 0.1413
CMYK	0.00, 0.85, 0.14, 0.00
HSL	310°, 100%, 57%
HSV	310°, 85%, 100%
XYZ	54.7161, 27.7607, 69.4701
YIQ	123.5170, 71.2310, 102.2950

Conversions

Conversions Part 2

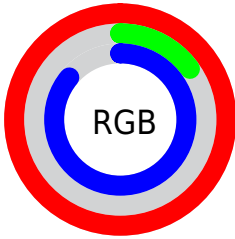
Format	Color
R _Y B	255, 38, 219
Decimal	16721627
CIE Lab	59.67, 89.77, -41.71
CIE LCh	60, 98.983, 335.079
Yxy	27.7607, 0.3601, 0.1827
Android (android.graphics.Color)	4294911707 (0xFFFF26DB)
YUV	123.5170, 47.0731, 115.3106
Hunter-Lab	52.6884, 93.1646, -41.2925

Details

The Yxy color **27.7607, 0.3601, 0.1827** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.4283, 0.2937, 0.5627**, and the grayscale version is **19.8181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5146, 0.3189, 0.1978**, and **13.9818, 0.3647, 0.1783** is the 20% darker color. If you saturate the color by 10%, you get **26.4289, 0.3661, 0.1805**, and if you desaturate by 10%, it is **30.2142, 0.3537, 0.1895**.

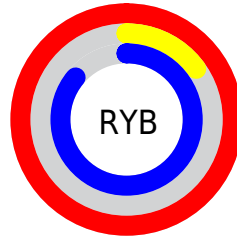
Distribution



Red (100%)

Green (15%)

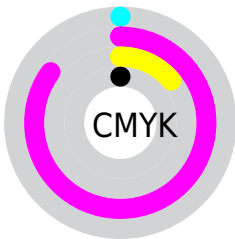
Blue (86%)



Red (100%)

Yellow (15%)

Blue (86%)

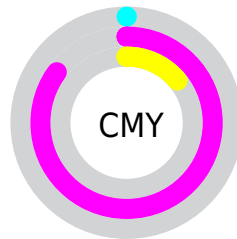


Cyan (0%)

Magenta (85%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7607, 0.3601, 0.1827 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 27.7607, 0.3601, 0.1827 by changing the saturation by 10% instead.


 27.7607, 0.3601,
0.1827


 27.7607, 0.3601,
0.1827


291.3217, 0.3394,
0.2503


 18.1453, 0.3643,
0.1677


 56.1022, 0.3533,
0.2059


 11.0544, 0.3691,
0.1497


 75.5971, 0.3505,
0.2150


 6.1034, 0.3746,
0.1277


 99.1539, 0.3481,
0.2229

 2.9081, 0.3806,
0.1008

 127.1572, 0.3460,
0.2298

 1.0839, 0.3861,
0.0684

 159.9912, 0.3440,
0.2358

 0.0000, 0.4012,
0.0000

198.0403, 0.3423,

 0.0000, 0.3788,

0.2412

0.0000

241.6890, 0.3408,
0.2460

■ 0.0000, 0.1011,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.7607, 0.3601,
0.1827

■ 27.7607, 0.3601,
0.1827

■ 26.4289, 0.3661,
0.1805

■ 30.2142, 0.3537,
0.1895

■ 26.0463, 0.3690,
0.1806


■ 33.9823, 0.3472,
0.2009

■ 39.2252, 0.3407,
0.2161

■ 46.0797, 0.3345,
0.2344

 54.6665, 0.3287,
0.2547

 65.0952, 0.3234,
0.2761

 77.4661, 0.3187,
0.2976

 91.8723, 0.3146,
0.3186

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.



27.7607, 0.2145, 0.1394



27.7607, 0.3601, 0.1827



27.7607, 0.5270, 0.2511

Triad

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



27.7607, 0.3601, 0.1827



27.7607, 0.4643, 0.5300



27.7607, 0.0872, 0.2161

Complementary

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



27.7607, 0.3601, 0.1827



72.4283, 0.2937, 0.5627

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.



27.7607, 0.1220, 0.3779



27.7607, 0.3601, 0.1827



27.7607, 0.3355, 0.6273

Square

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



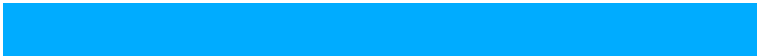
27.7607, 0.3601, 0.1827



27.7607, 0.5690, 0.4172



27.7607, 0.2123, 0.5866



27.7607, 0.0918, 0.1456

Rectangle

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



27.7607, 0.3601, 0.1827



27.7607, 0.5951, 0.3022



27.7607, 0.2123, 0.5866



27.7607, 0.0935, 0.2580

Sweetspot

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



27.7618, 0.3601, 0.1827



64.0572, 0.3239, 0.2741



9.9330, 0.1683, 0.0784



12.9048, 0.3257, 0.2667



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.



27.7618, 0.3601, 0.1827



26.0463, 0.3690, 0.1806



23.8634, 0.5170, 0.2743



18.2455, 0.3164, 0.3094



13.6290, 0.3681, 0.1801



1.3402, 0.3618, 0.1767

Inverse Universe

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



27.7618, 0.3601, 0.1827



26.0463, 0.3690, 0.1806



75.1902, 0.2558, 0.4303



18.2455, 0.3164, 0.3094



13.6290, 0.3681, 0.1801



1.3402, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 27.7607, 0.3601, 0.1827 looks on a white background.

Color Contrast Check

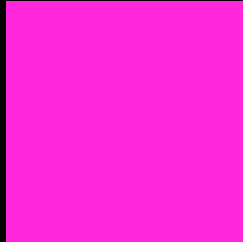
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7607, 0.3601, 0.1827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

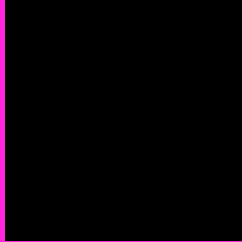
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7607, 0.3601, 0.1827

Background



This preview shows how black text looks on a background with the Yxy color 27.7607, 0.3601, 0.1827.



This preview shows how white text looks on a background with the Yxy color 27.7607, 0.3601, 0.1827.

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

27.7607, 0.3601, 0.1827

Protanopia

28.3936, 0.2000, 0.1791

Deuteranopia

28.0942, 0.2410, 0.2359



Tritanopia

27.5783, 0.5075, 0.3239

Trichromacy



Original Color

27.7607, 0.3601, 0.1827



Protanomaly

22.7010, 0.2339, 0.1591



Deuteranomaly

23.2413, 0.2746, 0.1924



Tritanomaly

26.5143, 0.4572, 0.2645

Monochromacy



Original Color

27.7607, 0.3601, 0.1827



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.1026, 0.3342, 0.2348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7607, 0.3601, 0.1827 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, 38, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 219)  
}
```

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, 38, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 219) }
```

Border

The CSS property to change the border of an element to Yxy 27.7607, 0.3601, 0.1827 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, 38, 219) }
```

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

```
.border{ border-color:rgb(255, 38, 219) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7607, 0.3601, 0.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 219) }
```

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

```
.background{ background-color: rgb(255, 38,  
219) }
```

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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