

Converting Colors

$Y_{xy}(27.2096, 0.3832, 0.1982)$

Have a look what the booklet for
Yxy(27.2096, 0.3832, 0.1982)
contains.

Yxy(27.2048, 0.3826, 0.1977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2048, 0.3826, 0.1977)

Conversions

Conversions Part 1

Format	Color
Hex	FF2BC9
RGB	255, 43, 201
RGB Percent	100%, 17%, 79%
CMY	0.0000, 0.8313, 0.2116
CMYK	0.00, 0.83, 0.21, 0.00
HSL	315°, 100%, 58%
HSV	315°, 83%, 100%
XYZ	52.6482, 27.2048, 57.7534
YIQ	124.4000, 75.6340, 94.0820

Conversions

Conversions Part 2

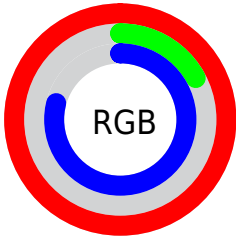
Format	Color
R _Y B	255, 43, 201
Decimal	16722889
CIE Lab	59.16, 86.65, -32.30
CIE LCh	59, 92.477, 339.554
Yxy	27.2048, 0.3826, 0.1977
Android (android.graphics.Color)	4294912969 (0xFFFF2BC9)
YUV	124.4000, 37.7638, 114.5362
Hunter-Lab	52.1582, 88.9001, -29.1395

Details

The Yxy color **27.2048, 0.3826, 0.1977** 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 **72.8941, 0.2880, 0.5394**, and the grayscale version is **20.1512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9708, 0.3188, 0.1993**, and **13.4440, 0.3924, 0.1935** is the 20% darker color. If you saturate the color by 10%, you get **25.5955, 0.3929, 0.1962**, and if you desaturate by 10%, it is **29.9859, 0.3721, 0.2041**.

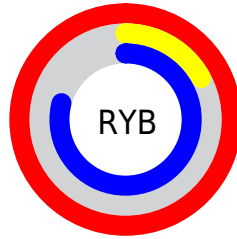
Distribution



Red (100%)

Green (17%)

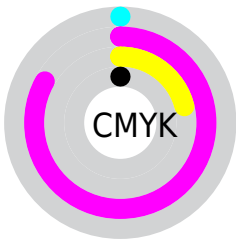
Blue (79%)



Red (100%)

Yellow (17%)

Blue (79%)

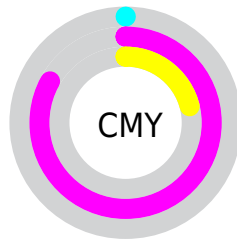


Cyan (0%)

Magenta (83%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (83%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2048, 0.3826, 0.1977 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 27.2048, 0.3826, 0.1977 by changing the saturation by 10% instead.


 27.2048, 0.3826,
0.1977


 27.2048, 0.3826,
0.1977

288.6474, 0.3489,
0.2601


 17.7271, 0.3905,
0.1834


 55.2123, 0.3707,
0.2195


 10.7542, 0.4002,
0.1658


 74.5109, 0.3662,
0.2279


 5.9018, 0.4126,
0.1438


 97.8520, 0.3623,
0.2352

 2.7855, 0.4285,
0.1161

 125.6198, 0.3589,
0.2415

 1.0208, 0.4493,
0.0812

 158.1989, 0.3559,
0.2470

 0.0000, 0.4957,
0.0000

195.9736, 0.3533,

 0.0000, 0.5077,

0.2519

0.0000

239.3283, 0.3510,
0.2562

■ 0.0000, 0.0000,
0.0000

■ 27.2048, 0.3826,
0.1977

■ 27.2048, 0.3826,
0.1977

■ 25.5955, 0.3929,
0.1962

■ 29.9859, 0.3721,
0.2041

■ 24.9806, 0.3997,
0.1976

■ 34.1219, 0.3616,
0.2150


■ 39.7683, 0.3516,
0.2296

■ 47.0582, 0.3422,
0.2469

■ 56.1103, 0.3338,
0.2657

 67.0322, 0.3263,
0.2852

 79.9227, 0.3198,
0.3045

 94.8739, 0.3143,
0.3233

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



27.2048, 0.2368, 0.1509



27.2048, 0.3826, 0.1977



27.2048, 0.5339, 0.2669

Triad

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



27.2048, 0.3826, 0.1977



27.2048, 0.4443, 0.5407



27.2048, 0.0939, 0.2083

Complementary

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



27.2048, 0.3826, 0.1977



72.8941, 0.2880, 0.5394

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.



27.2048, 0.1226, 0.3477



27.2048, 0.3826, 0.1977



27.2048, 0.3215, 0.6174

Square

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



27.2048, 0.3826, 0.1977



27.2048, 0.5487, 0.4341



27.2048, 0.2037, 0.5452



27.2048, 0.1027, 0.1481

Rectangle

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



27.2048, 0.3826, 0.1977



27.2048, 0.5878, 0.3180



27.2048, 0.2037, 0.5452



27.2048, 0.0986, 0.2442

Sweetspot

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



27.2062, 0.3826, 0.1977



64.8492, 0.3276, 0.2815



11.4353, 0.1816, 0.0875



13.0393, 0.3302, 0.2747



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.



27.2062, 0.3826, 0.1977



24.9814, 0.3997, 0.1976



23.8323, 0.5433, 0.2928



18.2167, 0.3177, 0.3114



13.0788, 0.3981, 0.1967



1.2911, 0.3873, 0.1907

Inverse Universe

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



27.2062, 0.3826, 0.1977



24.9814, 0.3997, 0.1976



76.2957, 0.2472, 0.3978



18.2167, 0.3177, 0.3114



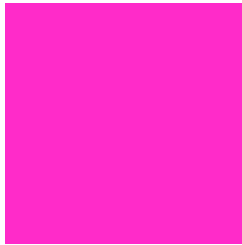
13.0788, 0.3981, 0.1967



1.2911, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 27.2048, 0.3826, 0.1977 looks on a white background.

Color Contrast Check

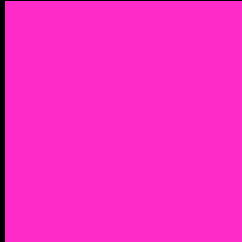
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2048, 0.3826, 0.1977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

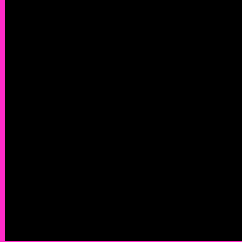
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2048, 0.3826, 0.1977

Background



This preview shows how black text looks on a background with the Yxy color 27.2048, 0.3826, 0.1977.



This preview shows how white text looks on a background with the Yxy color 27.2048, 0.3826, 0.1977.

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

27.2048, 0.3826, 0.1977

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

27.2556, 0.2607, 0.2545



Tritanopia

27.1819, 0.5184, 0.3251

Trichromacy



Original Color

27.2048, 0.3826, 0.1977



Protanomaly

22.1947, 0.2373, 0.1638



Deuteranomaly

23.1835, 0.2990, 0.2127



Tritanomaly

26.3122, 0.4723, 0.2732

Monochromacy



Original Color

27.2048, 0.3826, 0.1977



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.2221, 0.3432, 0.2464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2048, 0.3826, 0.1977 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, 43, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 201)  
}
```

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, 43, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 201) }
```

Border

The CSS property to change the border of an element to Yxy 27.2048, 0.3826, 0.1977 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, 43, 201) }
```

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

```
.border{ border-color:rgb(255, 43, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 43, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2048, 0.3826, 0.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 201) }
```

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

```
.background{ background-color: rgb(255, 43,  
201) }
```

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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