

Converting Colors

$Y_{xy}(27.6697, 0.3866, 0.2036)$

Have a look what the booklet for
Yxy(27.6697, 0.3866, 0.2036)
contains.

Yxy(27.6589, 0.3873, 0.2040)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6589, 0.3873, 0.2040)

Conversions

Conversions Part 1

Format	Color
Hex	FF33C5
RGB	255, 51, 197
RGB Percent	100%, 20%, 77%
CMY	0.0000, 0.8002, 0.2273
CMYK	0.00, 0.80, 0.23, 0.00
HSL	317°, 100%, 60%
HSV	317°, 80%, 100%
XYZ	52.5112, 27.6589, 55.4127
YIQ	128.6400, 74.7180, 88.6540

Conversions

Conversions Part 2

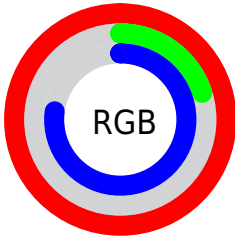
Format	Color
R _Y B	255, 51, 197
Decimal	16724933
CIE Lab	59.58, 84.50, -29.37
CIE LCh	60, 89.460, 340.835
Yxy	27.6589, 0.3873, 0.2040
Android (android.graphics.Color)	4294915013 (0xFFFF33C5)
YUV	128.6400, 33.7015, 110.8177
Hunter-Lab	52.5917, 86.1913, -25.6561

Details

The Yxy color **27.6589, 0.3873, 0.2040** 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 **73.3248, 0.2855, 0.5249**, and the grayscale version is **21.6709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8487, 0.3195, 0.2031**, and **13.3206, 0.3998, 0.1976** is the 20% darker color. If you saturate the color by 10%, you get **25.6829, 0.3992, 0.2016**, and if you desaturate by 10%, it is **30.8636, 0.3752, 0.2114**.

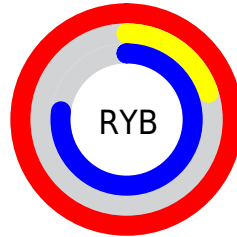
Distribution



Red (100%)

Green (20%)

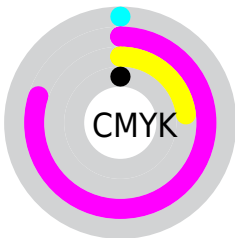
Blue (77%)



Red (100%)

Yellow (20%)

Blue (77%)

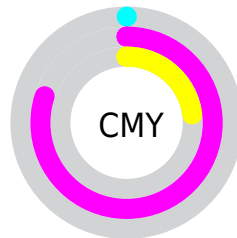


Cyan (0%)

Magenta (80%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6589, 0.3873, 0.2040 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 27.6589, 0.3873, 0.2040 by changing the saturation by 10% instead.


 27.6589, 0.3873,
0.2040


 27.6589, 0.3873,
0.2040


290.8334, 0.3508,
0.2638


 18.0687, 0.3960,
0.1901


 55.9394, 0.3743,
0.2250

 10.9993, 0.4070,
0.1730


 75.3985, 0.3693,
0.2331


 6.0664, 0.4210,
0.1515


 98.9160, 0.3651,
0.2401

 2.8855, 0.4396,
0.1240

 126.8763, 0.3614,
0.2461

 1.0722, 0.4647,
0.0887

 159.6638, 0.3583,
0.2514

 0.0000, 0.5229,
0.0000

197.6629, 0.3555,

 0.0000, 0.5495,

0.2560

0.0000

241.2579, 0.3530,
0.2601

■ 0.0000, 0.0000,
0.0000

■ 27.6589, 0.3873,
0.2040

■ 27.6589, 0.3873,
0.2040

■ 25.6829, 0.3992,
0.2016

■ 30.8636, 0.3752,
0.2114


■ 24.6605, 0.4107,
0.2036

■ 35.4817, 0.3634,
0.2231

■ 41.6566, 0.3524,
0.2381

■ 49.5167, 0.3422,
0.2554

■ 59.1768, 0.3332,
0.2739

 70.7416, 0.3253,
0.2927

 84.3078, 0.3185,
0.3112

99.9655, 0.3127,
0.3290

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.



27.6589, 0.2445, 0.1568



27.6589, 0.3873, 0.2040



27.6589, 0.5309, 0.2729

Triad

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



27.6589, 0.3873, 0.2040



27.6589, 0.4386, 0.5410



27.6589, 0.0988, 0.2090

Complementary

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



27.6589, 0.3873, 0.2040



73.3248, 0.2855, 0.5249

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.



27.6589, 0.1260, 0.3404



27.6589, 0.3873, 0.2040



27.6589, 0.3189, 0.6076

Square

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



27.6589, 0.3873, 0.2040



27.6589, 0.5404, 0.4388



27.6589, 0.2041, 0.5285



27.6589, 0.1086, 0.1517

Rectangle

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



27.6589, 0.3873, 0.2040



27.6589, 0.5805, 0.3236



27.6589, 0.2041, 0.5285



27.6589, 0.1031, 0.2431

Sweetspot

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



27.6557, 0.3873, 0.2040



65.9050, 0.3283, 0.2852



12.8192, 0.1903, 0.0956



13.2360, 0.3311, 0.2785



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.



27.6557, 0.3873, 0.2040



25.0035, 0.4061, 0.2025



24.4522, 0.5414, 0.2975



18.2072, 0.3182, 0.3121



12.9126, 0.4089, 0.2026



1.2760, 0.3965, 0.1958

Inverse Universe

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



27.6557, 0.3873, 0.2040



25.0035, 0.4061, 0.2025



76.9150, 0.2448, 0.3855



18.2072, 0.3182, 0.3121



12.9126, 0.4089, 0.2026



1.2760, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 27.6589, 0.3873, 0.2040 looks on a white background.

Color Contrast Check

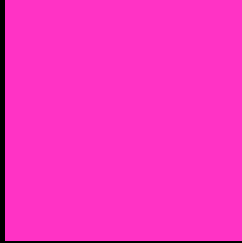
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6589, 0.3873, 0.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

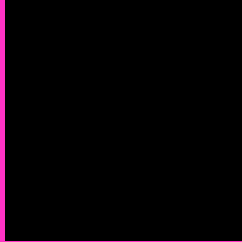
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6589, 0.3873, 0.2040

Background



This preview shows how black text looks on a background with the Yxy color 27.6589, 0.3873, 0.2040.



This preview shows how white text looks on a background with the Yxy color 27.6589, 0.3873, 0.2040.

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

27.6589, 0.3873, 0.2040

Protanopia

28.1498, 0.2001, 0.1780

Deuteranopia

27.7458, 0.2666, 0.2607



Tritanopia

27.7271, 0.5152, 0.3250

Trichromacy



Original Color

27.6589, 0.3873, 0.2040



Protanomaly

23.1497, 0.2402, 0.1696



Deuteranomaly

24.0265, 0.3054, 0.2207



Tritanomaly

26.9948, 0.4732, 0.2775

Monochromacy



Original Color

27.6589, 0.3873, 0.2040



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7544, 0.3434, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6589, 0.3873, 0.2040 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 197) }
```

Border

The CSS property to change the border of an element to Yxy 27.6589, 0.3873, 0.2040 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, 197) }
```

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

```
.border{ border-color:rgb(255, 51, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 197); box-shadow:4px 4px 4px 4px rgb(255, 51, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6589, 0.3873, 0.2040 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, 197) }
```

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

```
.background{ background-color: rgb(255, 51,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor