

Converting Colors

$Y_{xy}(27.2455, 0.3968, 0.2092)$

Have a look what the booklet for
Yxy(27.2455, 0.3968, 0.2092)
contains.

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Color

Yxy(27.2589, 0.3969, 0.2094)

Conversions

Conversions Part 1

Format	Color
Hex	FF32BE
RGB	255, 50, 190
RGB Percent	100%, 20%, 75%
CMY	0.0001, 0.8036, 0.2549
CMYK	0.00, 0.80, 0.25, 0.00
HSL	319°, 100%, 60%
HSV	319°, 80%, 100%
XYZ	51.6669, 27.2589, 51.2504
YIQ	127.2550, 77.2400, 87.0000

Conversions

Conversions Part 2

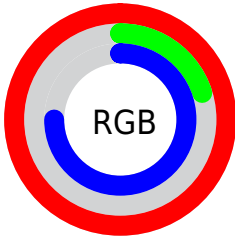
Format	Color
R _Y B	255, 50, 190
Decimal	16724670
CIE _{Lab}	59.21, 83.87, -25.90
CIE _{LCh}	59, 87.776, 342.840
Y _{xy}	27.2589, 0.3969, 0.2094
Android (android.graphics.Color)	4294914750 (0xFFFF32BE)
YUV	127.2550, 30.9333, 112.0324
Hunter-Lab	52.2101, 85.2756, -21.6531

Details

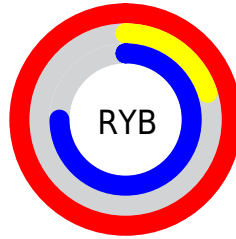
The Yxy color **27.2589, 0.3969, 0.2094** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **73.4221, 0.2831, 0.5175**, and the grayscale version is **21.2007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4083, 0.3258, 0.2084**, and **13.1150, 0.4132, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **25.3060, 0.4107, 0.2078**, and if you desaturate by 10%, it is **30.4465, 0.3831, 0.2160**.

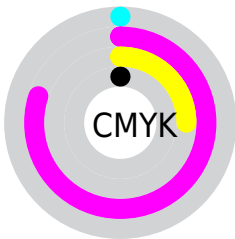
Distribution



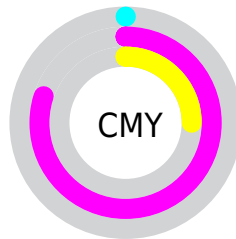
- Red (100%)
- Green (20%)
- Blue (75%)



- Red (100%)
- Yellow (20%)
- Blue (75%)



- Cyan (0%)
- Magenta (80%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2589, 0.3969, 0.2094 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 27.2589, 0.3969, 0.2094 by changing the saturation by 10% instead.


 27.2589, 0.3969,
0.2094


 27.2589, 0.3969,
0.2094


288.9085, 0.3548,
0.2673


 17.7678, 0.4073,
0.1958


 55.2990, 0.3817,
0.2299


 10.7834, 0.4204,
0.1788


 74.6168, 0.3759,
0.2377

 5.9214, 0.4376,
0.1573


 97.9790, 0.3711,
0.2445

 2.7973, 0.4609,
0.1296

 125.7698, 0.3669,
0.2503

 1.0269, 0.4935,
0.0934

 158.3738, 0.3633,
0.2554

 0.0000, 0.5683,
0.0000

196.1753, 0.3601,

 0.0000, 0.6418,

0.2598

0.0000

239.5587, 0.3573,
0.2638

■ 0.0000, 0.0000,
0.0000

■ 27.2589, 0.3969,
0.2094

■ 27.2589, 0.3969,
0.2094

■ 25.3060, 0.4107,
0.2078

■ 30.4465, 0.3831,
0.2160

■ 24.3153, 0.4235,
0.2107

■ 35.0409, 0.3696,
0.2270

■ 41.1910, 0.3571,
0.2414

■ 49.0256, 0.3457,
0.2579

■ 58.6601, 0.3356,
0.2757

70.1995, 0.3268,
0.2937

83.7409, 0.3193,
0.3114

99.3745, 0.3129,
0.3284

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



27.2589, 0.2535, 0.1606



27.2589, 0.3969, 0.2094



27.2589, 0.5351, 0.2788

Triad

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



27.2589, 0.3969, 0.2094



27.2589, 0.4307, 0.5459



27.2589, 0.1003, 0.2049

Complementary

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



27.2589, 0.3969, 0.2094



73.4221, 0.2831, 0.5175

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.



27.2589, 0.1248, 0.3293



27.2589, 0.3969, 0.2094



27.2589, 0.3119, 0.6041

Square

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



27.2589, 0.3969, 0.2094



27.2589, 0.5332, 0.4454



27.2589, 0.1990, 0.5141



27.2589, 0.1121, 0.1515

Rectangle

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



27.2589, 0.3969, 0.2094



27.2589, 0.5794, 0.3296



27.2589, 0.1990, 0.5141



27.2589, 0.1038, 0.2370

Sweetspot

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



27.2603, 0.3969, 0.2094



65.7870, 0.3298, 0.2871



13.1485, 0.1943, 0.0973



13.2074, 0.3330, 0.2807



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.



27.2603, 0.3969, 0.2094



24.6704, 0.4182, 0.2092



24.2415, 0.5524, 0.3035



18.1966, 0.3187, 0.3129



12.7366, 0.4214, 0.2095



1.2600, 0.4070, 0.2016

Inverse Universe

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



27.2603, 0.3969, 0.2094



24.6704, 0.4182, 0.2092



77.2141, 0.2421, 0.3765



18.1966, 0.3187, 0.3129



12.7366, 0.4214, 0.2095



1.2600, 0.4070, 0.2016

Previews

White Background



This preview shows how the Yxy color 27.2589, 0.3969, 0.2094 looks on a white background.

Color Contrast Check

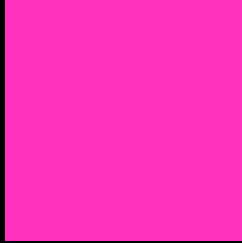
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2589, 0.3969, 0.2094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

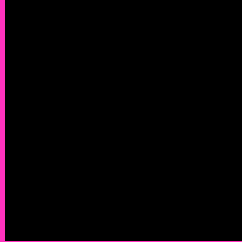
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2589, 0.3969, 0.2094

Background



This preview shows how black text looks on a background with the Yxy color 27.2589, 0.3969, 0.2094.



This preview shows how white text looks on a background with the Yxy color 27.2589, 0.3969, 0.2094.

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

27.2589, 0.3969, 0.2094

Protanopia

27.7599, 0.1989, 0.1764

Deuteranopia

27.4141, 0.2748, 0.2691



Tritanopia

27.1851, 0.5212, 0.3252

Trichromacy



Original Color

27.2589, 0.3969, 0.2094



Protanomaly

22.6745, 0.2411, 0.1704



Deuteranomaly

23.7580, 0.3151, 0.2278



Tritanomaly

26.6214, 0.4800, 0.2800

Monochromacy



Original Color

27.2589, 0.3969, 0.2094



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.1244, 0.3478, 0.2553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2589, 0.3969, 0.2094 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, 50, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 190)  
}
```

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, 50, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 190) }
```

Border

The CSS property to change the border of an element to Yxy 27.2589, 0.3969, 0.2094 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, 50, 190) }
```

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

```
.border{ border-color:rgb(255, 50, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 50, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2589, 0.3969, 0.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 190) }
```

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

```
.background{ background-color: rgb(255, 50,  
190) }
```

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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