

Converting Colors

$Y_{xy}(27.3616, 0.3963, 0.2095)$

Have a look what the booklet for
Yxy(27.3616, 0.3963, 0.2095)
contains.

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Color

Yxy(27.3454, 0.3968, 0.2098)

Conversions

Conversions Part 1

Format	Color
Hex	FF33BE
RGB	255, 51, 190
RGB Percent	100%, 20%, 75%
CMY	0.0000, 0.8000, 0.2548
CMYK	0.00, 0.80, 0.25, 0.00
HSL	319°, 100%, 60%
HSV	319°, 80%, 100%
XYZ	51.7190, 27.3454, 51.2759
YIQ	127.8420, 76.9650, 86.4770

Conversions

Conversions Part 2

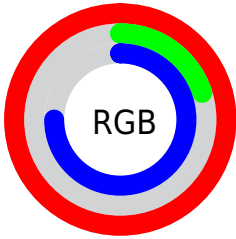
Format	Color
R _Y B	255, 51, 190
Decimal	16724926
CIE _{Lab}	59.29, 83.66, -25.79
CIE _{LCh}	59, 87.547, 342.870
Yxy	27.3454, 0.3968, 0.2098
Android (android.graphics.Color)	4294915006 (0xFFFF33BE)
YUV	127.8420, 30.6439, 111.5176
Hunter-Lab	52.2928, 85.0289, -21.5320

Details

The Yxy color **27.3454, 0.3968, 0.2098** 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 **73.4844, 0.2830, 0.5162**, and the grayscale version is **21.4034, 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 **25.3501, 0.4106, 0.2081**, and if you desaturate by 10%, it is **30.5831, 0.3829, 0.2166**.

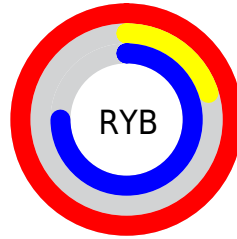
Distribution



Red (100%)

Green (20%)

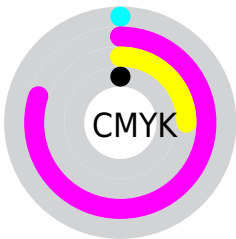
Blue (75%)



Red (100%)

Yellow (20%)

Blue (75%)

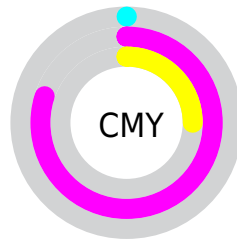


Cyan (0%)

Magenta (80%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3454, 0.3968, 0.2098 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 27.3454, 0.3968, 0.2098 by changing the saturation by 10% instead.


 27.3454, 0.3968,
0.2098


 27.3454, 0.3968,
0.2098


289.3256, 0.3548,
0.2675


 17.8328, 0.4071,
0.1962


 55.4376, 0.3816,
0.2302

 10.8300, 0.4203,
0.1793


 74.7860, 0.3759,
0.2380

 5.9526, 0.4375,
0.1579


 98.1819, 0.3710,
0.2448

 2.8163, 0.4607,
0.1302

 126.0095, 0.3668,
0.2505

 1.0366, 0.4934,
0.0940

 158.6532, 0.3632,
0.2556

 0.0000, 0.5686,
0.0000

196.4976, 0.3601,

 0.0000, 0.6419,

0.2600

0.0000

239.9269, 0.3573,
0.2640

■ 0.0000, 0.0000,
0.0000

■ 27.3454, 0.3968,
0.2098

■ 27.3454, 0.3968,
0.2098

■ 25.3501, 0.4106,
0.2081

■ 30.5831, 0.3829,
0.2166

■ 24.3070, 0.4241,
0.2110

■ 35.2338, 0.3694,
0.2277

■ 24.3066, 0.4241,
0.2110

■ 41.4457, 0.3568,
0.2421

■ 49.3472, 0.3454,
0.2587

■ 59.0531, 0.3353,
0.2764

70.6683, 0.3265,
0.2944

84.2895, 0.3190,
0.3121

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



27.3454, 0.2538, 0.1611



27.3454, 0.3968, 0.2098



27.3454, 0.5344, 0.2791

Triad

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



27.3454, 0.3968, 0.2098



27.3454, 0.4306, 0.5456



27.3454, 0.1008, 0.2053

Complementary

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



27.3454, 0.3968, 0.2098



73.4844, 0.2830, 0.5162

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.



27.3454, 0.1253, 0.3292



27.3454, 0.3968, 0.2098



27.3454, 0.3120, 0.6031

Square

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



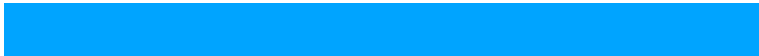
27.3454, 0.3968, 0.2098



27.3454, 0.5327, 0.4455



27.3454, 0.1994, 0.5131



27.3454, 0.1126, 0.1519

Rectangle

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



27.3454, 0.3968, 0.2098



27.3454, 0.5786, 0.3299



27.3454, 0.1994, 0.5131



27.3454, 0.1043, 0.2372

Sweetspot

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



27.3468, 0.3968, 0.2098



65.7819, 0.3299, 0.2872



13.2748, 0.1948, 0.0980



13.2062, 0.3330, 0.2808



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.



27.3468, 0.3968, 0.2098



24.6563, 0.4187, 0.2095



24.3399, 0.5509, 0.3034



18.1961, 0.3187, 0.3129



12.7292, 0.4220, 0.2098



1.2593, 0.4075, 0.2018

Inverse Universe

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



27.3468, 0.3968, 0.2098



24.6563, 0.4187, 0.2095



77.2647, 0.2422, 0.3763



18.1961, 0.3187, 0.3129



12.7292, 0.4220, 0.2098



1.2593, 0.4075, 0.2018

Previews

White Background



This preview shows how the Yxy color 27.3454, 0.3968, 0.2098 looks on a white background.

Color Contrast Check

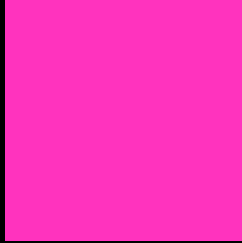
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3454, 0.3968, 0.2098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

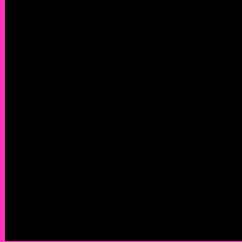
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3454, 0.3968, 0.2098

Background



This preview shows how black text looks on a background with the Yxy color 27.3454, 0.3968, 0.2098.



This preview shows how white text looks on a background with the Yxy color 27.3454, 0.3968, 0.2098.

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

27.3454, 0.3968, 0.2098

Protanopia

27.7599, 0.1989, 0.1764

Deuteranopia

27.4141, 0.2748, 0.2691



Tritanopia

27.1851, 0.5212, 0.3252

Trichromacy



Original Color

27.3454, 0.3968, 0.2098



Protanomaly

22.6745, 0.2411, 0.1704



Deuteranomaly

23.9678, 0.3151, 0.2291



Tritanomaly

26.6214, 0.4800, 0.2800

Monochromacy



Original Color

27.3454, 0.3968, 0.2098



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.3474, 0.3463, 0.2553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3454, 0.3968, 0.2098 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 190) }
```

Border

The CSS property to change the border of an element to Yxy 27.3454, 0.3968, 0.2098 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, 190) }
```

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

```
.border{ border-color:rgb(255, 51, 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, 51, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 190); box-shadow:4px 4px 4px 4px rgb(255, 51, 190) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3454, 0.3968, 0.2098 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, 190) }
```

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

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