

Converting Colors

$Y_{xy}(30.4037, 0.4215, 0.2239)$

Have a look what the booklet for
Yxy(30.4037, 0.4215, 0.2239)
contains.

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Color

Yxy(27.2669, 0.4050, 0.2158)

Conversions

Conversions Part 1

Format	Color
Hex	FF35B8
RGB	255, 53, 184
RGB Percent	100%, 21%, 72%
CMY	0.0000, 0.7923, 0.2784
CMYK	0.00, 0.79, 0.28, 0.00
HSL	321°, 100%, 60%
HSV	321°, 79%, 100%
XYZ	51.1728, 27.2669, 47.9129
YIQ	128.3320, 78.3410, 83.5650

Conversions

Conversions Part 2

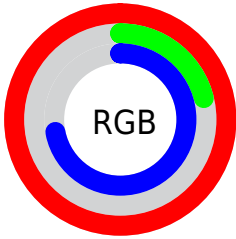
Format	Color
R _Y B	255, 53, 184
Decimal	16725432
CIE _{Lab}	59.22, 82.53, -22.43
CIE _{LCh}	59, 85.526, 344.794
Yxy	27.2669, 0.4050, 0.2158
Android (android.graphics.Color)	4294915512 (0xFFFF35B8)
YUV	128.3320, 27.4443, 111.0878
Hunter-Lab	52.2177, 83.5471, -17.8498

Details

The Yxy color **27.2669, 0.4050, 0.2158** 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 **73.7297, 0.2804, 0.5060**, and the grayscale version is **21.5798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2260, 0.3322, 0.2146**, and **12.9761, 0.4231, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **25.1615, 0.4207, 0.2144**, and if you desaturate by 10%, it is **30.6220, 0.3892, 0.2223**.

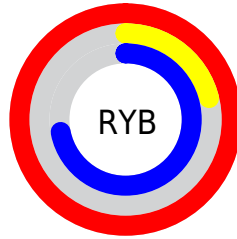
Distribution



Red (100%)

Green (21%)

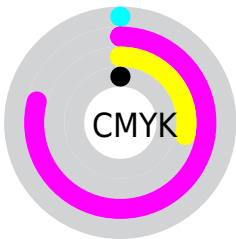
Blue (72%)



Red (100%)

Yellow (21%)

Blue (72%)

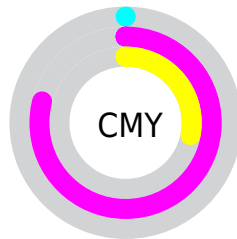


Cyan (0%)

Magenta (79%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2669, 0.4050, 0.2158 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 27.2669, 0.4050, 0.2158 by changing the saturation by 10% instead.

 27.2669, 0.4050,
0.2158


 27.2669, 0.4050,
0.2158


288.9471, 0.3582,
0.2712

 17.7738, 0.4168,
0.2026


 55.3119, 0.3879,
0.2355


 10.7877, 0.4319,
0.1860


 74.6325, 0.3815,
0.2431


 5.9243, 0.4519,
0.1648


 97.9977, 0.3761,
0.2495

 2.7991, 0.4794,
0.1371

 125.7920, 0.3714,
0.2550

 1.0278, 0.5192,
0.1003

 158.3997, 0.3674,
0.2598

 0.0000, 0.6116,
0.0000

196.2051, 0.3640,

 0.0000, 0.7661,

0.2641


0.0000


239.5928, 0.3609,
0.2678


 0.0000, 0.0000,
0.0000


 27.2669, 0.4050,
0.2158


 27.2669, 0.4050,
0.2158

 25.1615, 0.4207,
0.2144


 30.6220, 0.3892,
0.2223


 24.0585, 0.4360,
0.2179

 35.4120, 0.3741,
0.2331

 23.9909, 0.4372,
0.2182

 41.7777, 0.3602,
0.2471

 49.8464, 0.3476,
0.2631

 59.7324, 0.3366,
0.2801

71.5398, 0.3271,
0.2973

85.3649, 0.3190,
0.3141

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.



27.2669, 0.2629, 0.1659



27.2669, 0.4050, 0.2158



27.2669, 0.5361, 0.2853

Triad

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



27.2669, 0.4050, 0.2158



27.2669, 0.4230, 0.5486



27.2669, 0.1035, 0.2028

Complementary

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



27.2669, 0.4050, 0.2158



73.7297, 0.2804, 0.5060

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.



27.2669, 0.1256, 0.3195



27.2669, 0.4050, 0.2158



27.2669, 0.3059, 0.5963

Square

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



27.2669, 0.4050, 0.2158



27.2669, 0.5247, 0.4517



27.2669, 0.1959, 0.4976



27.2669, 0.1172, 0.1530

Rectangle

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



27.2669, 0.4050, 0.2158



27.2669, 0.5752, 0.3360



27.2669, 0.1959, 0.4976



27.2669, 0.1064, 0.2328

Sweetspot

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



27.2627, 0.4050, 0.2158



65.6661, 0.3314, 0.2891



14.0226, 0.2007, 0.1020



13.1782, 0.3349, 0.2830



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.



27.2627, 0.4050, 0.2158



24.4389, 0.4296, 0.2159



24.4306, 0.5570, 0.3087



18.1856, 0.3192, 0.3137



12.5651, 0.4348, 0.2169



1.2442, 0.4183, 0.2078

Inverse Universe

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



27.2627, 0.4050, 0.2158



24.4389, 0.4296, 0.2159



77.6951, 0.2397, 0.3668



18.1856, 0.3192, 0.3137



12.5651, 0.4348, 0.2169



1.2442, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 27.2669, 0.4050, 0.2158 looks on a white background.

Color Contrast Check

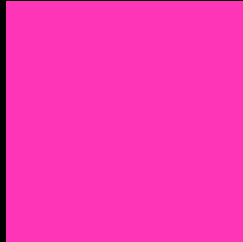
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2669, 0.4050, 0.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

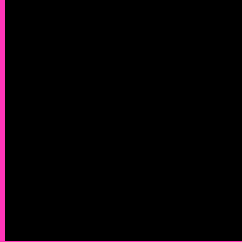
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2669, 0.4050, 0.2158

Background



This preview shows how black text looks on a background with the Yxy color 27.2669, 0.4050, 0.2158.



This preview shows how white text looks on a background with the Yxy color 27.2669, 0.4050, 0.2158.

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

27.2669, 0.4050, 0.2158

Protanopia

27.6754, 0.2045, 0.1832

Deuteranopia

27.5241, 0.2837, 0.2781



Tritanopia

27.1916, 0.5239, 0.3252

Trichromacy



Original Color

27.2669, 0.4050, 0.2158



Protanomaly

22.9337, 0.2488, 0.1778



Deuteranomaly

23.9667, 0.3241, 0.2366



Tritanomaly

26.7296, 0.4855, 0.2833

Monochromacy



Original Color

27.2669, 0.4050, 0.2158



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.4441, 0.3501, 0.2607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2669, 0.4050, 0.2158 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, 53, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 184)  
}
```

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, 53, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 184) }
```

Border

The CSS property to change the border of an element to Yxy 27.2669, 0.4050, 0.2158 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, 53, 184) }
```

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

```
.border{ border-color:rgb(255, 53, 184) }
```

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

Here you see how a box with a 4 pixel rgb(255, 53, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2669, 0.4050, 0.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 184) }
```

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

```
.background{ background-color: rgb(255, 53,  
184) }
```

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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