

Converting Colors

$Y_{xy}(29.5796, 0.4141, 0.2376)$

Have a look what the booklet for
Yxy(29.5796, 0.4141, 0.2376)
contains.

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Color

Yxy(29.6629, 0.4135, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	FF4DAF
RGB	255, 77, 175
RGB Percent	100%, 30%, 69%
CMY	0.0001, 0.6978, 0.3138
CMYK	0.00, 0.70, 0.31, 0.00
HSL	327°, 100%, 65%
HSV	327°, 70%, 100%
XYZ	51.6229, 29.6629, 43.5580
YIQ	141.3940, 74.6300, 68.2140

Conversions

Conversions Part 2

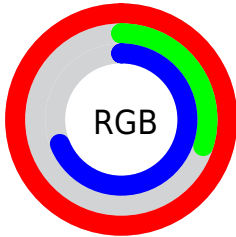
Format	Color
RYB	255, 77, 175
Decimal	16731567
CIELab	61.36, 74.49, -13.98
CIELCh	61, 75.791, 349.368
Yxy	29.6629, 0.4135, 0.2376
Android (android.graphics.Color)	4294921647 (0xFFFF4DAF)
YUV	141.3940, 16.5678, 99.6325
Hunter-Lab	54.4637, 73.8784, -9.2934

Details

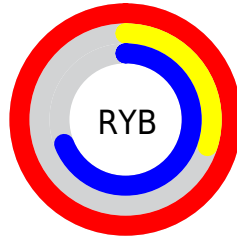
The Yxy color **29.6629, 0.4135, 0.2376** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **75.5164, 0.2729, 0.4589**, and the grayscale version is **26.7189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2065, 0.3392, 0.2368**, and **12.8994, 0.4407, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **26.3344, 0.4351, 0.2334**, and if you desaturate by 10%, it is **34.4302, 0.3929, 0.2462**.

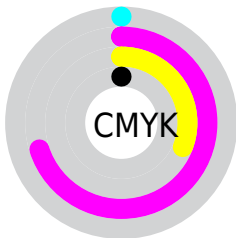
Distribution



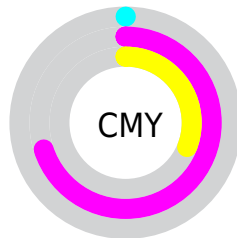
- Red (100%)
- Green (30%)
- Blue (69%)



- Red (100%)
- Yellow (30%)
- Blue (69%)



- Cyan (0%)
- Magenta (70%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6629, 0.4135, 0.2376 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 29.6629, 0.4135, 0.2376 by changing the saturation by 10% instead.

 29.6629, 0.4135,
0.2376


 29.6629, 0.4135,
0.2376


300.3300, 0.3614,
0.2832


 19.5829, 0.4269,
0.2264


 59.1287, 0.3942,
0.2541

 12.0922, 0.4443,
0.2122


 79.2832, 0.3871,
0.2603

 6.8065, 0.4678,
0.1936


 103.5646, 0.3811,
0.2656

 3.3414, 0.5009,
0.1685

 132.3574, 0.3760,
0.2701

 1.3124, 0.5504,
0.1333

166.0460, 0.3716,
0.2740

 0.1508, 0.6601,
0.0393

205.0147, 0.3678,

 0.0000, 1.0000,

0.2774

0.0000

249.6479, 0.3644,
0.2805

■ 0.0000, 0.0000,
0.0000

■ 29.6629, 0.4135,
0.2376

■ 29.6629, 0.4135,
0.2376

■ 26.3344, 0.4351,
0.2334

■ 34.4302, 0.3929,
0.2462

■ 24.2651, 0.4569,
0.2345

■ 40.7785, 0.3742,
0.2580


■ 23.1780, 0.4779,
0.2407

■ 48.8377, 0.3576,
0.2718

■ 23.1583, 0.4783,
0.2409

■ 58.7232, 0.3433,
0.2864

■ 70.5399, 0.3312,
0.3012

 84.3851, 0.3210,
0.3156

99.9944, 0.3127,
0.3290

Harmonies

Analogous

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



29.6629, 0.2873, 0.1875



29.6629, 0.4135, 0.2376



29.6629, 0.5183, 0.3045

Triad

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



29.6629, 0.4135, 0.2376



29.6629, 0.4039, 0.5376



29.6629, 0.1230, 0.2092

Complementary

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



29.6629, 0.4135, 0.2376



75.5164, 0.2729, 0.4589

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.



29.6629, 0.1401, 0.3041



29.6629, 0.4135, 0.2376



29.6629, 0.2974, 0.5522

Square

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



29.6629, 0.4135, 0.2376



29.6629, 0.4957, 0.4611



29.6629, 0.2000, 0.4492



29.6629, 0.1403, 0.1679

Rectangle

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



29.6629, 0.4135, 0.2376



29.6629, 0.5459, 0.3534



29.6629, 0.2000, 0.4492



29.6629, 0.1246, 0.2340

Sweetspot

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



29.6645, 0.4135, 0.2376



69.0089, 0.3325, 0.2994



19.4182, 0.2270, 0.1294



14.0441, 0.3358, 0.2953



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.



29.6645, 0.4135, 0.2376



25.3253, 0.4444, 0.2332



27.2895, 0.5358, 0.3200



18.1545, 0.3207, 0.3160



12.1345, 0.4751, 0.2391



1.2035, 0.4526, 0.2267

Inverse Universe

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



29.6645, 0.4135, 0.2376



25.3253, 0.4444, 0.2332



79.5587, 0.2372, 0.3431



18.1545, 0.3207, 0.3160



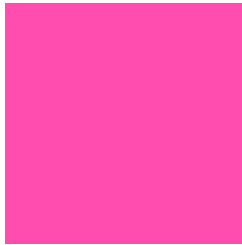
12.1345, 0.4751, 0.2391



1.2035, 0.4526, 0.2267

Previews

White Background



This preview shows how the Yxy color 29.6629, 0.4135, 0.2376 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 29.6629, 0.4135, 0.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

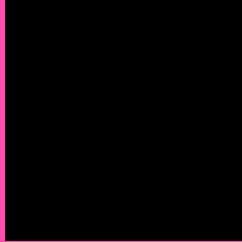
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6629, 0.4135, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 29.6629, 0.4135, 0.2376.



This preview shows how white text looks on a background with the Yxy color 29.6629, 0.4135, 0.2376.

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

29.6629, 0.4135, 0.2376

Protanopia

30.0231, 0.2332, 0.2214

Deuteranopia

29.6683, 0.3030, 0.2960



Tritanopia

29.4648, 0.5018, 0.3239

Trichromacy



Original Color

29.6629, 0.4135, 0.2376



Protanomaly

26.6770, 0.2810, 0.2170



Deuteranomaly

27.3739, 0.3410, 0.2640



Tritanomaly

29.2390, 0.4709, 0.2910

Monochromacy



Original Color

29.6629, 0.4135, 0.2376



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.2019, 0.3500, 0.2798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6629, 0.4135, 0.2376 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, 77, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 175)  
}
```

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, 77, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 175) }
```

Border

The CSS property to change the border of an element to Yxy 29.6629, 0.4135, 0.2376 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, 77, 175) }
```

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

```
.border{ border-color:rgb(255, 77, 175) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6629, 0.4135, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 175) }
```

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

```
.background{ background-color: rgb(255, 77,  
175) }
```

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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