

Converting Colors

$Y_{xy}(30.0752, 0.4074, 0.2493)$

Have a look what the booklet for
Yxy(30.0752, 0.4074, 0.2493)
contains.

Yxy(29.9773, 0.4076, 0.2494)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.9773, 0.4076, 0.2494)

Conversions

Conversions Part 1

Format	Color
Hex	F65BAA
RGB	246, 91, 170
RGB Percent	96%, 36%, 67%
CMY	0.0354, 0.6429, 0.3334
CMYK	0.00, 0.63, 0.31, 0.04
HSL	329°, 90%, 66%
HSV	329°, 63%, 96%
XYZ	48.9926, 29.9773, 41.2278
YIQ	146.3510, 67.0210, 57.4290

Conversions

Conversions Part 2

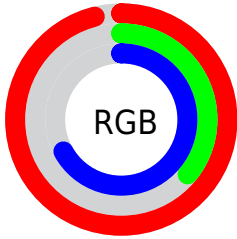
Format	Color
R _Y B	246, 91, 170
Decimal	16145322
CIE Lab	61.63, 66.27, -10.84
CIE LCh	62, 67.146, 350.712
Yxy	29.9773, 0.4076, 0.2494
Android (android.graphics.Color)	4294335402 (0xFFFF65BAA)
YUV	146.3510, 11.6590, 87.3922
Hunter-Lab	54.7515, 63.9096, -6.3192

Details

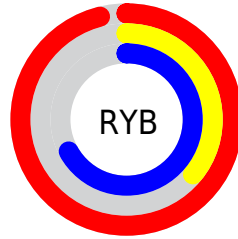
The Yxy color **29.9773, 0.4076, 0.2494** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **70.9076, 0.2713, 0.4348**, and the grayscale version is **28.8335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1911, 0.3436, 0.2525**, and **12.3209, 0.4377, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **26.0020, 0.4310, 0.2429**, and if you desaturate by 10%, it is **35.3752, 0.3861, 0.2594**.

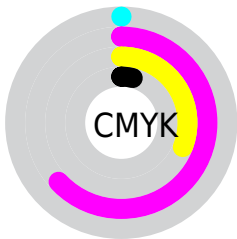
Distribution



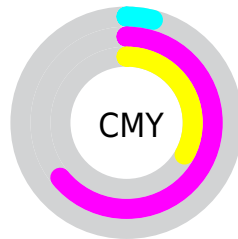
- Red (96%)
- Green (36%)
- Blue (67%)



- Red (96%)
- Yellow (36%)
- Blue (67%)



- Cyan (0%)
- Magenta (63%)
- Yellow (31%)
- Black (4%)



- Cyan (4%)
- Magenta (64%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9773, 0.4076, 0.2494 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 29.9773, 0.4076, 0.2494 by changing the saturation by 10% instead.


 29.9773, 0.4076,
0.2494


 29.9773, 0.4076,
0.2494


301.7986, 0.3582,
0.2896


 19.8214, 0.4205,
0.2393


 59.6263, 0.3892,
0.2641


 12.2653, 0.4374,
0.2264


 79.8881, 0.3824,
0.2696

 6.9246, 0.4603,
0.2093


 104.2873, 0.3768,
0.2742

 3.4150, 0.4931,
0.1856

 133.2084, 0.3719,
0.2782

 1.3520, 0.5431,
0.1516

167.0357, 0.3678,
0.2816

 0.1810, 0.6585,
0.0544

206.1535, 0.3642,

 0.0000, 1.0000,

0.2846

0.0000

250.9464, 0.3610,
0.2873

0.0000, 0.0000,
0.0000

29.9773, 0.4076,
0.2494

29.9773, 0.4076,
0.2494

26.0020, 0.4310,
0.2429

35.3752, 0.3861,
0.2594

23.3032, 0.4554,
0.2412

42.3137, 0.3670,
0.2717


21.7110, 0.4794,
0.2450

50.9034, 0.3506,
0.2851

21.0756, 0.4956,
0.2504

61.2437, 0.3366,
0.2989

73.4258, 0.3249,
0.3124

 87.5348, 0.3153,
0.3253

 98.2897, 0.3075,
0.3295

 98.3264, 0.3072,
0.3290

Harmonies

Analogous

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



29.9773, 0.2957, 0.2018



29.9773, 0.4076, 0.2494



29.9773, 0.4979, 0.3127

Triad

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



29.9773, 0.4076, 0.2494



29.9773, 0.3959, 0.5195



29.9773, 0.1391, 0.2200

Complementary

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



29.9773, 0.4076, 0.2494



70.9076, 0.2713, 0.4348

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.



29.9773, 0.1550, 0.3043



29.9773, 0.4076, 0.2494



29.9773, 0.2986, 0.5212

Square

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



29.9773, 0.4076, 0.2494



29.9773, 0.4784, 0.4575



29.9773, 0.2099, 0.4282



29.9773, 0.1566, 0.1818

Rectangle

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



29.9773, 0.4076, 0.2494



29.9773, 0.5219, 0.3591



29.9773, 0.2099, 0.4282



29.9773, 0.1405, 0.2424

Sweetspot

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



29.9789, 0.4076, 0.2494



71.4509, 0.3318, 0.3043



22.2412, 0.2440, 0.1504



14.5136, 0.3353, 0.3004



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.



29.9789, 0.4076, 0.2494



27.1553, 0.4387, 0.2418



27.8786, 0.5134, 0.3272



16.6235, 0.3214, 0.3170



11.2815, 0.4920, 0.2484



1.0123, 0.4647, 0.2334

Inverse Universe

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



29.9789, 0.4076, 0.2494



27.1553, 0.4387, 0.2418



74.6108, 0.2380, 0.3319



16.6235, 0.3214, 0.3170



11.2815, 0.4920, 0.2484



1.0123, 0.4647, 0.2334

Previews

White Background



This preview shows how the Yxy color 29.9773, 0.4076, 0.2494 looks on a white background.

Color Contrast Check

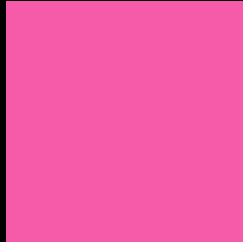
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9773, 0.4076, 0.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

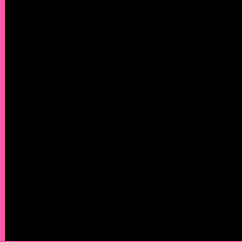
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9773, 0.4076, 0.2494

Background



This preview shows how black text looks on a background with the Yxy color 29.9773, 0.4076, 0.2494.



This preview shows how white text looks on a background with the Yxy color 29.9773, 0.4076, 0.2494.

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

29.9773, 0.4076, 0.2494

Protanopia

30.2962, 0.2482, 0.2402

Deuteranopia

30.1285, 0.3098, 0.3036



Tritanopia

29.9738, 0.4758, 0.3223

Trichromacy



Original Color

29.9773, 0.4076, 0.2494



Protanomaly

28.0031, 0.2941, 0.2375



Deuteranomaly

28.3310, 0.3437, 0.2753



Tritanomaly

29.8625, 0.4523, 0.2952

Monochromacy



Original Color

29.9773, 0.4076, 0.2494



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.2334, 0.3459, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9773, 0.4076, 0.2494 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(246, 91, 170)` looks like.

```
.text, #text, p{  
    color:rgb(246, 91, 170)  
}
```

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(246, 91, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 91, 170) }
```

Border

The CSS property to change the border of an element to Yxy 29.9773, 0.4076, 0.2494 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(246, 91, 170) }
```

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

```
.border{ border-color:rgb(246, 91, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 91, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 91, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 91, 170);  
box-shadow:4px 4px 4px 4px rgb(246, 91,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9773, 0.4076, 0.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 91, 170) }
```

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

```
.background{ background-color: rgb(246, 91,  
170) }
```

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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