

Converting Colors

$Y_{xy}(29.0932, 0.3984, 0.2214)$

Have a look what the booklet for
Yxy(29.0932, 0.3984, 0.2214)
contains.

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Color

Yxy(29.1041, 0.3986, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	FF45BB
RGB	255, 69, 187
RGB Percent	100%, 27%, 73%
CMY	0.0000, 0.7296, 0.2666
CMYK	0.00, 0.73, 0.27, 0.00
HSL	322°, 100%, 64%
HSV	322°, 73%, 100%
XYZ	52.3506, 29.1041, 49.8815
YIQ	138.0660, 72.9780, 76.1300

Conversions

Conversions Part 2

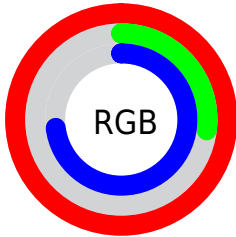
Format	Color
R _{YB}	255, 69, 187
Decimal	16729531
CIE _{Lab}	60.87, 78.50, -21.64
CIE _{LCh}	61, 81.432, 344.590
Y _{xy}	29.1041, 0.3986, 0.2216
Android (android.graphics.Color)	4294919611 (0xFFFF45BB)
YUV	138.0660, 24.1245, 102.5511
Hunter-Lab	53.9482, 78.8046, -17.0568

Details

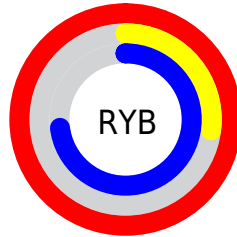
The Yxy color **29.1041, 0.3986, 0.2216** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **74.5870, 0.2791, 0.4872**, and the grayscale version is **25.3139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2336, 0.3287, 0.2214**, and **13.1906, 0.4185, 0.2079** is the 20% darker color. If you saturate the color by 10%, you get **26.2223, 0.4152, 0.2172**, and if you desaturate by 10%, it is **33.3449, 0.3824, 0.2306**.

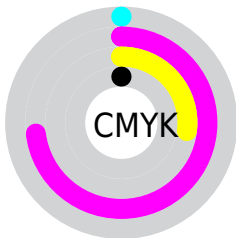
Distribution



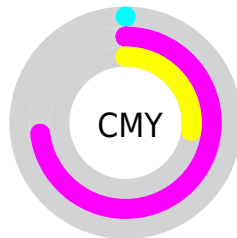
- Red (100%)
- Green (27%)
- Blue (73%)



- Red (100%)
- Yellow (27%)
- Blue (73%)



- Cyan (0%)
- Magenta (73%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1041, 0.3986, 0.2216 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 29.1041, 0.3986, 0.2216 by changing the saturation by 10% instead.

 29.1041, 0.3986,
0.2216


 29.1041, 0.3986,
0.2216


297.7058, 0.3553,
0.2739

 19.1596, 0.4094,
0.2091


 58.2424, 0.3828,
0.2402


 11.7856, 0.4233,
0.1935


 78.2051, 0.3769,
0.2473


 6.5979, 0.4415,
0.1735


 102.2758, 0.3719,
0.2534

 3.2119, 0.4667,
0.1473

 130.8391, 0.3676,
0.2586

 1.2434, 0.5029,
0.1120

 164.2794, 0.3639,
0.2632

 0.0967, 0.5840,
0.0215

202.9810, 0.3607,

 0.0000, 0.6997,

0.2672

0.0000

247.3283, 0.3578,
0.2708

■ 0.0000, 0.0000,
0.0000

■ 29.1041, 0.3986,
0.2216

■ 29.1041, 0.3986,
0.2216

■ 26.2223, 0.4152,
0.2172

■ 33.3449, 0.3824,
0.2306

■ 24.5321, 0.4316,
0.2181

■ 39.1182, 0.3673,
0.2433

■ 23.8625, 0.4429,
0.2214

■ 46.5507, 0.3536,
0.2584

■ 55.7611, 0.3415,
0.2748

■ 66.8570, 0.3311,
0.2917

 79.9377, 0.3222,
0.3084

 95.0952, 0.3147,
0.3244

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.



29.1041, 0.2657, 0.1734



29.1041, 0.3986, 0.2216



29.1041, 0.5210, 0.2890

Triad

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



29.1041, 0.3986, 0.2216



29.1041, 0.4225, 0.5384



29.1041, 0.1129, 0.2116

Complementary

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



29.1041, 0.3986, 0.2216



74.5870, 0.2791, 0.4872

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.



29.1041, 0.1359, 0.3228



29.1041, 0.3986, 0.2216



29.1041, 0.3109, 0.5773

Square

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



29.1041, 0.3986, 0.2216



29.1041, 0.5169, 0.4499



29.1041, 0.2050, 0.4854



29.1041, 0.1258, 0.1620

Rectangle

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



29.1041, 0.3986, 0.2216



29.1041, 0.5595, 0.3387



29.1041, 0.2050, 0.4854



29.1041, 0.1161, 0.2407

Sweetspot

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



29.0976, 0.3986, 0.2216



68.0302, 0.3301, 0.2933



16.5425, 0.2102, 0.1159



13.8651, 0.3328, 0.2888



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.



29.0976, 0.3986, 0.2216



25.2366, 0.4235, 0.2170



26.3693, 0.5302, 0.3072



18.1811, 0.3194, 0.3140



12.4984, 0.4404, 0.2200



1.2380, 0.4231, 0.2104

Inverse Universe

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



29.0976, 0.3986, 0.2216



25.2366, 0.4235, 0.2170



78.3342, 0.2417, 0.3634



18.1811, 0.3194, 0.3140



12.4984, 0.4404, 0.2200



1.2380, 0.4231, 0.2104

Previews

White Background



This preview shows how the Yxy color 29.1041, 0.3986, 0.2216 looks on a white background.

Color Contrast Check

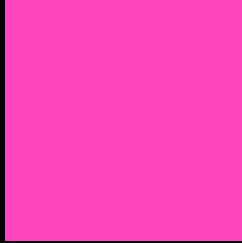
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1041, 0.3986, 0.2216 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 29.1041, 0.3986, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 29.1041, 0.3986, 0.2216.



This preview shows how white text looks on a background with the Yxy color 29.1041, 0.3986, 0.2216.

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

29.1041, 0.3986, 0.2216

Protanopia

29.5434, 0.2140, 0.1962

Deuteranopia

29.3239, 0.2853, 0.2794



Tritanopia

29.0610, 0.5042, 0.3249

Trichromacy



Original Color

29.1041, 0.3986, 0.2216



Protanomaly

25.6274, 0.2586, 0.1928



Deuteranomaly

26.4979, 0.3223, 0.2444



Tritanomaly

28.8307, 0.4680, 0.2854

Monochromacy



Original Color

29.1041, 0.3986, 0.2216



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.0343, 0.3461, 0.2687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1041, 0.3986, 0.2216 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, 69, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 187)  
}
```

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, 69, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 187) }
```

Border

The CSS property to change the border of an element to Yxy 29.1041, 0.3986, 0.2216 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, 69, 187) }
```

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

```
.border{ border-color:rgb(255, 69, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 69, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 69, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 69, 187); box-shadow:4px 4px 4px 4px rgb(255, 69, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1041, 0.3986, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 187) }
```

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

```
.background{ background-color: rgb(255, 69,  
187) }
```

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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