

Converting Colors

$Y_{xy}(28.7278, 0.4214, 0.2426)$

Have a look what the booklet for
Yxy(28.7278, 0.4214, 0.2426)
contains.

Yxy(28.6915, 0.4204, 0.2422)	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(28.6915, 0.4204, 0.2422)

Conversions

Conversions Part 1

Format	Color
Hex	FC4CA8
RGB	252, 76, 168
RGB Percent	99%, 30%, 66%
CMY	0.0117, 0.7020, 0.3411
CMYK	0.00, 0.70, 0.33, 0.01
HSL	329°, 97%, 64%
HSV	329°, 70%, 99%
XYZ	49.8014, 28.6915, 39.9691
YIQ	139.1120, 75.3640, 65.9240

Conversions

Conversions Part 2

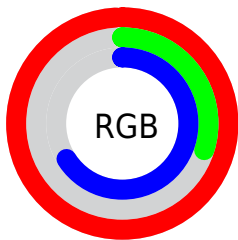
Format	Color
R _Y B	252, 76, 168
Decimal	16534696
CIE Lab	60.51, 73.31, -11.29
CIE LCh	61, 74.179, 351.244
Yxy	28.6915, 0.4204, 0.2422
Android (android.graphics.Color)	4294724776 (0xFFFC4CA8)
YUV	139.1120, 14.2418, 99.0028
Hunter-Lab	53.5644, 72.2222, -6.7463

Details

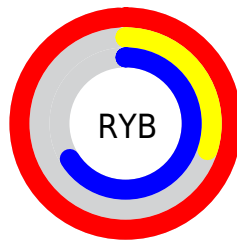
The Yxy color **28.6915, 0.4204, 0.2422** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **73.7007, 0.2708, 0.4522**, and the grayscale version is **25.7861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4790, 0.3470, 0.2430**, and **12.3373, 0.4514, 0.2260** is the 20% darker color. If you saturate the color by 10%, you get **25.4469, 0.4438, 0.2386**, and if you desaturate by 10%, it is **33.3394, 0.3982, 0.2502**.

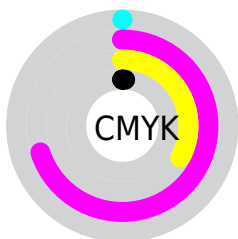
Distribution



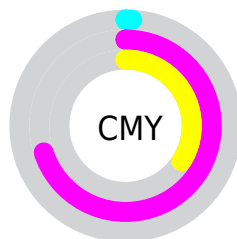
- Red (99%)
- Green (30%)
- Blue (66%)



- Red (99%)
- Yellow (30%)
- Blue (66%)



- Cyan (0%)
- Magenta (70%)
- Yellow (33%)
- Black (1%)





- Cyan (1%)
- Magenta (70%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6915, 0.4204, 0.2422 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 28.6915, 0.4204, 0.2422 by changing the saturation by 10% instead.


 28.6915, 0.4204,
0.2422

 28.6915, 0.4204,
0.2422


295.7566, 0.3641,
0.2861


 18.8476, 0.4351,
0.2312


 57.5866, 0.3994,
0.2582

 11.5602, 0.4544,
0.2171


 77.4065, 0.3917,
0.2642

 6.4450, 0.4806,
0.1985


 101.3206, 0.3852,
0.2693

 3.1175, 0.5180,
0.1730

 129.7132, 0.3797,
0.2736

 1.1934, 0.5747,
0.1367

162.9687, 0.3750,
0.2774

 0.0563, 0.7165,
0.0176

201.4715, 0.3709,

 0.0000, 1.0000,

0.2807

0.0000

245.6060, 0.3673,
0.2836

■ 0.0000, 0.0000,
0.0000

■ 28.6915, 0.4204,
0.2422

■ 28.6915, 0.4204,
0.2422

■ 25.4469, 0.4438,
0.2386

■ 33.3394, 0.3982,
0.2502

■ 23.4308, 0.4672,
0.2404

■ 39.5289, 0.3781,
0.2614


■ 22.3702, 0.4898,
0.2472

■ 47.3868, 0.3604,
0.2744


■ 22.3567, 0.4901,
0.2474

■ 57.0252, 0.3451,
0.2884

■ 68.5465, 0.3323,
0.3025

 82.0453, 0.3215,
0.3162

 97.6097, 0.3126,
0.3292

 99.4373, 0.3109,
0.3290

Harmonies

Analogous

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



28.6915, 0.2949, 0.1910



28.6915, 0.4204, 0.2422



28.6915, 0.5205, 0.3094

Triad

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



28.6915, 0.4204, 0.2422



28.6915, 0.3973, 0.5394



28.6915, 0.1244, 0.2064

Complementary

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



28.6915, 0.4204, 0.2422



73.7007, 0.2708, 0.4522

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.



28.6915, 0.1393, 0.2969



28.6915, 0.4204, 0.2422



28.6915, 0.2913, 0.5467

Square

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



28.6915, 0.4204, 0.2422



28.6915, 0.4898, 0.4658



28.6915, 0.1961, 0.4387



28.6915, 0.1437, 0.1679

Rectangle

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



28.6915, 0.4204, 0.2422



28.6915, 0.5444, 0.3584



28.6915, 0.1961, 0.4387



28.6915, 0.1253, 0.2299

Sweetspot

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



28.6930, 0.4204, 0.2422



68.9256, 0.3336, 0.3009



19.4793, 0.2319, 0.1318



14.0243, 0.3371, 0.2970



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.



28.6930, 0.4204, 0.2422



25.1251, 0.4537, 0.2387



26.4721, 0.5433, 0.3250



17.3768, 0.3212, 0.3167



11.6748, 0.4865, 0.2454



1.1027, 0.4613, 0.2315

Inverse Universe

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



28.6930, 0.4204, 0.2422



25.1251, 0.4537, 0.2387



77.8259, 0.2350, 0.3358



17.3768, 0.3212, 0.3167



11.6748, 0.4865, 0.2454



1.1027, 0.4613, 0.2315

Previews

White Background



This preview shows how the Yxy color 28.6915, 0.4204, 0.2422 looks on a white background.

Color Contrast Check

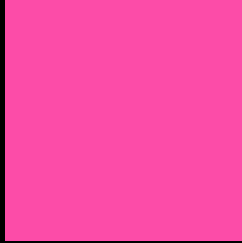
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6915, 0.4204, 0.2422 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 28.6915, 0.4204, 0.2422

Background



This preview shows how black text looks on a background with the Yxy color 28.6915, 0.4204, 0.2422.



This preview shows how white text looks on a background with the Yxy color 28.6915, 0.4204, 0.2422.

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

28.6915, 0.4204, 0.2422

Protanopia

29.0638, 0.2380, 0.2275

Deuteranopia

28.8178, 0.3097, 0.3031



Tritanopia

28.6997, 0.5041, 0.3239

Trichromacy



Original Color

28.6915, 0.4204, 0.2422



Protanomaly

25.8169, 0.2881, 0.2229



Deuteranomaly

26.5127, 0.3485, 0.2699



Tritanomaly

28.4368, 0.4757, 0.2929

Monochromacy



Original Color

28.6915, 0.4204, 0.2422



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.3961, 0.3517, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6915, 0.4204, 0.2422 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(252, 76, 168)` looks like.

```
.text, #text, p{  
    color:rgb(252, 76, 168)  
}
```

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(252, 76, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 76, 168) }
```

Border

The CSS property to change the border of an element to Yxy 28.6915, 0.4204, 0.2422 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(252, 76, 168) }
```

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

```
.border{ border-color:rgb(252, 76, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 76, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 76, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 76, 168);  
box-shadow:4px 4px 4px 4px rgb(252, 76,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6915, 0.4204, 0.2422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 76, 168) }
```

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

```
.background{ background-color: rgb(252, 76,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor