

Converting Colors

$Yxy(31.6121, 0.4137, 0.2437)$

Have a look what the booklet for
Yxy(31.6121, 0.4137, 0.2437)
contains.

Yxy(30.8916, 0.4104, 0.2423)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.8916, 0.4104, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	FF55B0
RGB	255, 85, 176
RGB Percent	100%, 33%, 69%
CMY	0.0000, 0.6666, 0.3098
CMYK	0.00, 0.67, 0.31, 0.00
HSL	328°, 100%, 67%
HSV	328°, 67%, 100%
XYZ	52.3232, 30.8916, 44.2784
YIQ	146.2040, 72.1090, 64.3410

Conversions

Conversions Part 2

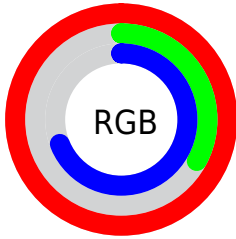
Format	Color
R_{YB}	255, 85, 176
Decimal	16733616
CIE _{Lab}	62.42, 71.78, -12.97
CIE _{LCh}	62, 72.947, 349.755
Yxy	30.8916, 0.4104, 0.2423
Android (android.graphics.Color)	4294923696 (0xFFFF55B0)
YUV	146.2040, 14.6894, 95.4141
Hunter-Lab	55.5802, 70.7745, -8.3277

Details

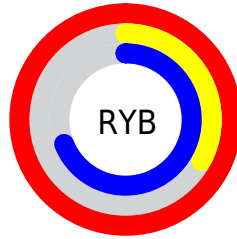
The Yxy color **30.8916, 0.4104, 0.2423** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **76.1292, 0.2723, 0.4485**, and the grayscale version is **28.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0327, 0.3377, 0.2415**, and **12.8994, 0.4407, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **27.1261, 0.4327, 0.2369**, and if you desaturate by 10%, it is **36.1470, 0.3895, 0.2517**.

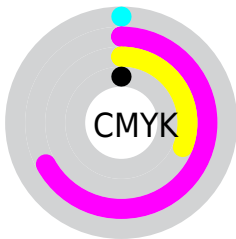
Distribution



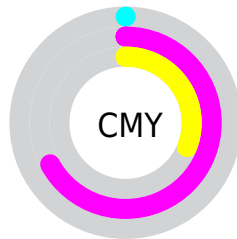
- Red (100%)
- Green (33%)
- Blue (69%)



- Red (100%)
- Yellow (33%)
- Blue (69%)



- Cyan (0%)
- Magenta (67%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8916, 0.4104, 0.2423 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 30.8916, 0.4104, 0.2423 by changing the saturation by 10% instead.


 30.8916, 0.4104,
0.2423


 30.8916, 0.4104,
0.2423


306.0386, 0.3601,
0.2855

 20.5163, 0.4233,
0.2317


 61.0694, 0.3918,
0.2579


 12.7709, 0.4401,
0.2182


 81.6406, 0.3849,
0.2638

 7.2710, 0.4627,
0.2005


 106.3794, 0.3791,
0.2688

 3.6321, 0.4945,
0.1766

 135.6699, 0.3742,
0.2731

 1.4700, 0.5421,
0.1429

169.8968, 0.3699,
0.2768

 0.2675, 0.6388,
0.0651

209.4442, 0.3662,

 0.0000, 1.0000,

0.2801

0.0000

254.6967, 0.3630,
0.2829

■ 0.0000, 0.0000,
0.0000

■ 30.8916, 0.4104,
0.2423

■ 30.8916, 0.4104,
0.2423

■ 27.1261, 0.4327,
0.2369

■ 36.1470, 0.3895,
0.2517

■ 24.6808, 0.4555,
0.2367

■ 43.0280, 0.3707,
0.2639


■ 23.3505, 0.4776,
0.2420

■ 51.6602, 0.3542,
0.2777

■ 23.0504, 0.4849,
0.2445

■ 62.1555, 0.3401,
0.2921

■ 74.6164, 0.3283,
0.3064

 89.1380, 0.3184,
0.3202

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



30.8916, 0.2904, 0.1933



30.8916, 0.4104, 0.2423



30.8916, 0.5092, 0.3077

Triad

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



30.8916, 0.4104, 0.2423



30.8916, 0.4013, 0.5299



30.8916, 0.1297, 0.2141

Complementary

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



30.8916, 0.4104, 0.2423



76.1292, 0.2723, 0.4485

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.



30.8916, 0.1466, 0.3048



30.8916, 0.4104, 0.2423



30.8916, 0.2986, 0.5391

Square

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



30.8916, 0.4104, 0.2423



30.8916, 0.4889, 0.4594



30.8916, 0.2047, 0.4407



30.8916, 0.1469, 0.1738

Rectangle

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



30.8916, 0.4104, 0.2423



30.8916, 0.5356, 0.3556



30.8916, 0.2047, 0.4407



30.8916, 0.1313, 0.2380

Sweetspot

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



30.8932, 0.4104, 0.2423



70.2321, 0.3320, 0.3016



21.3493, 0.2340, 0.1384



14.2800, 0.3353, 0.2976



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.



30.8932, 0.4104, 0.2423



26.1725, 0.4404, 0.2362



28.5582, 0.5248, 0.3224



18.1497, 0.3210, 0.3163



12.0754, 0.4815, 0.2426



1.1978, 0.4581, 0.2297

Inverse Universe

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



30.8932, 0.4104, 0.2423



26.1725, 0.4404, 0.2362



80.1327, 0.2378, 0.3389



18.1497, 0.3210, 0.3163



12.0754, 0.4815, 0.2426



1.1978, 0.4581, 0.2297

Previews

White Background



This preview shows how the Yxy color 30.8916, 0.4104, 0.2423 looks on a white background.

Color Contrast Check

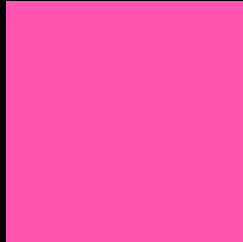
Large Text (above 18pt) WCAG AA × Fail

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 30.8916, 0.4104, 0.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

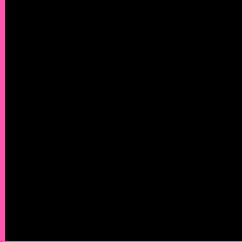
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8916, 0.4104, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 30.8916, 0.4104, 0.2423.



This preview shows how white text looks on a background with the Yxy color 30.8916, 0.4104, 0.2423.

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

30.8916, 0.4104, 0.2423

Protanopia

31.3045, 0.2392, 0.2290

Deuteranopia

30.9266, 0.3050, 0.2994



Tritanopia

30.9094, 0.4910, 0.3237

Trichromacy



Original Color

30.8916, 0.4104, 0.2423



Protanomaly

28.3282, 0.2861, 0.2256



Deuteranomaly

28.6550, 0.3415, 0.2684



Tritanomaly

30.7546, 0.4630, 0.2932

Monochromacy



Original Color

30.8916, 0.4104, 0.2423



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.2887, 0.3486, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8916, 0.4104, 0.2423 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, 85, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 176)  
}
```

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, 85, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 176) }
```

Border

The CSS property to change the border of an element to Yxy 30.8916, 0.4104, 0.2423 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, 85, 176) }
```

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

```
.border{ border-color:rgb(255, 85, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 85, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8916, 0.4104, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 176) }
```

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

```
.background{ background-color: rgb(255, 85,  
176) }
```

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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