

Converting Colors

$Y_{xy}(32.3014, 0.3852, 0.2486)$

Have a look what the booklet for
Yxy(32.3014, 0.3852, 0.2486)
contains.

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Color

Yxy(32.3166, 0.3857, 0.2493)

Conversions

Conversions Part 1

Format	Color
Hex	F269B5
RGB	242, 105, 181
RGB Percent	95%, 41%, 71%
CMY	0.0512, 0.5880, 0.2902
CMYK	0.00, 0.57, 0.25, 0.05
HSL	327°, 84%, 68%
HSV	327°, 57%, 95%
XYZ	49.9980, 32.3166, 47.3147
YIQ	154.6270, 57.2560, 52.6800

Conversions

Conversions Part 2

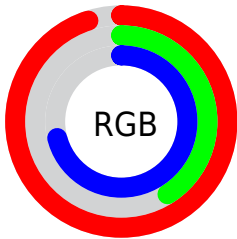
Format	Color
R _Y B	242, 105, 181
Decimal	15886773
CIE _{Lab}	63.60, 60.50, -14.24
CIE _{LCh}	64, 62.156, 346.756
Y _{xy}	32.3166, 0.3857, 0.2493
Android (android.graphics.Color)	4294076853 (0xFFFF269B5)
YUV	154.6270, 13.0019, 76.6261
Hunter-Lab	56.8477, 57.5089, -9.5541

Details

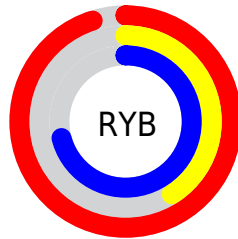
The Yxy color **32.3166, 0.3857, 0.2493** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **69.2376, 0.2765, 0.4306**, and the grayscale version is **32.5336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8642, 0.3317, 0.2532**, and **13.5798, 0.4085, 0.2273** is the 20% darker color. If you saturate the color by 10%, you get **27.6429, 0.4054, 0.2394**, and if you desaturate by 10%, it is **38.4296, 0.3679, 0.2619**.

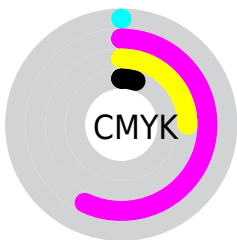
Distribution



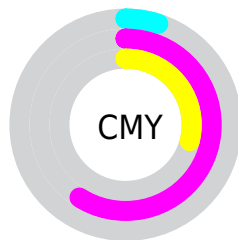
- Red (95%)
- Green (41%)
- Blue (71%)



- Red (95%)
- Yellow (41%)
- Blue (71%)



- Cyan (0%)
- Magenta (57%)
- Yellow (25%)
- Black (5%)





- Cyan (5%)
- Magenta (59%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3166, 0.3857, 0.2493 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 32.3166, 0.3857, 0.2493 by changing the saturation by 10% instead.


 32.3166, 0.3857,
0.2493


 32.3166, 0.3857,
0.2493


312.5589, 0.3485,
0.2888

 21.6034, 0.3952,
0.2396


 63.3071, 0.3720,
0.2636


 13.5658, 0.4074,
0.2273


 84.3532, 0.3669,
0.2689

 7.8193, 0.4239,
0.2112


 109.6124, 0.3626,
0.2735

 3.9795, 0.4470,
0.1893

 139.4691, 0.3590,
0.2774

 1.6621, 0.4816,
0.1582

174.3078, 0.3558,
0.2808

 0.3990, 0.5486,
0.0944

214.5127, 0.3531,

 0.0000, 0.7817,

0.2838

0.0000

260.4683, 0.3506,
0.2865

0.0000, 0.0000,
0.0000

32.3166, 0.3857,
0.2493

32.3166, 0.3857,
0.2493

27.6429, 0.4054,
0.2394

38.4296, 0.3679,
0.2619

24.2805, 0.4265,
0.2335

46.0858, 0.3523,
0.2761

22.0869, 0.4480,
0.2327

55.3850, 0.3389,
0.2910

20.8809, 0.4689,
0.2372

66.4174, 0.3275,
0.3058

20.5967, 0.4760,
0.2396

79.2663, 0.3181,
0.3200

 94.0097, 0.3102,
0.3335

 97.6094, 0.3047,
0.3290

Harmonies

Analogous

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



32.3166, 0.2855, 0.2071



32.3166, 0.3857, 0.2493



32.3166, 0.4724, 0.3076

Triad

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



32.3166, 0.3857, 0.2493



32.3166, 0.4032, 0.4983



32.3166, 0.1521, 0.2381

Complementary

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



32.3166, 0.3857, 0.2493



69.2376, 0.2765, 0.4306

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.



32.3166, 0.1726, 0.3215



32.3166, 0.3857, 0.2493



32.3166, 0.3141, 0.5053

Square

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



32.3166, 0.3857, 0.2493



32.3166, 0.4743, 0.4417



32.3166, 0.2294, 0.4320



32.3166, 0.1643, 0.1963

Rectangle

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



32.3166, 0.3857, 0.2493



32.3166, 0.5010, 0.3510



32.3166, 0.2294, 0.4320



32.3166, 0.1551, 0.2611

Sweetspot

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



32.3182, 0.3857, 0.2493



74.2107, 0.3280, 0.3051



24.4534, 0.2469, 0.1656



15.3176, 0.3302, 0.3021



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.



32.3182, 0.3857, 0.2493



30.4403, 0.4087, 0.2382



30.2012, 0.4738, 0.3201



15.9057, 0.3206, 0.3160



11.0973, 0.4727, 0.2378



0.9432, 0.4472, 0.2237

Inverse Universe

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



32.3182, 0.3857, 0.2493



30.4403, 0.4087, 0.2382



72.3575, 0.2456, 0.3400



15.9057, 0.3206, 0.3160



11.0973, 0.4727, 0.2378



0.9432, 0.4472, 0.2237

Previews

White Background



This preview shows how the Yxy color 32.3166, 0.3857, 0.2493 looks on a white background.

Color Contrast Check

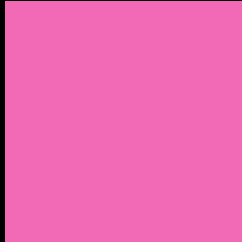
Large Text (above 18pt) WCAG AA × Fail

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 32.3166, 0.3857, 0.2493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

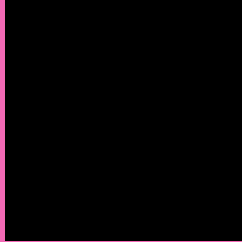
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3166, 0.3857, 0.2493

Background



This preview shows how black text looks on a background with the Yxy color 32.3166, 0.3857, 0.2493.



This preview shows how white text looks on a background with the Yxy color 32.3166, 0.3857, 0.2493.

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

32.3166, 0.3857, 0.2493

Protanopia

32.5458, 0.2498, 0.2425

Deuteranopia

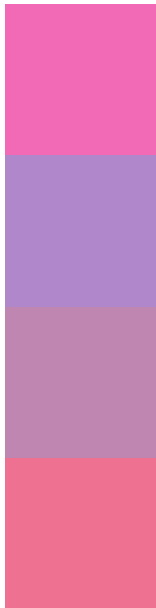
32.3423, 0.3006, 0.2942



Tritanopia

32.2335, 0.4466, 0.3195

Trichromacy



Original Color

32.3166, 0.3857, 0.2493

Protanomaly

30.7062, 0.2901, 0.2407

Deuteranomaly

31.1717, 0.3292, 0.2723

Tritanomaly

32.2363, 0.4249, 0.2934

Monochromacy



Original Color

32.3166, 0.3857, 0.2493

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.1365, 0.3393, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3166, 0.3857, 0.2493 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(242, 105, 181)` looks like.

```
.text, #text, p{  
    color:rgb(242, 105, 181)  
}
```

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(242, 105, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 105, 181) }
```

Border

The CSS property to change the border of an element to Yxy 32.3166, 0.3857, 0.2493 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(242, 105, 181) }
```

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

```
.border{ border-color:rgb(242, 105, 181) }
```

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

Here you see how a box with a 4 pixel rgb(242, 105, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 105, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 105, 181);  
box-shadow:4px 4px 4px 4px rgb(242, 105,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3166, 0.3857, 0.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 105, 181) }
```

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

```
.background{ background-color: rgb(242,  
105, 181) }
```

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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