

Converting Colors

$Y_{xy}(31.2319, 0.4202, 0.2530)$

Have a look what the booklet for
Yxy(31.2319, 0.4202, 0.2530)
contains.

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Color

Yxy(31.2319, 0.4202, 0.2530)

Conversions

Conversions Part 1

Format	Color
Hex	FF59A8
RGB	255, 89, 168
RGB Percent	100%, 35%, 66%
CMY	0.0001, 0.6508, 0.3412
CMYK	0.00, 0.65, 0.34, 0.00
HSL	331°, 100%, 67%
HSV	331°, 65%, 100%
XYZ	51.8721, 31.2319, 40.3422
YIQ	147.6400, 73.5770, 59.7610

Conversions

Conversions Part 2

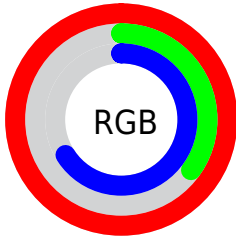
Format	Color
R _Y B	255, 89, 168
Decimal	16734632
CIE Lab	62.70, 69.37, -7.95
CIE LCh	63, 69.821, 353.460
Yxy	31.2319, 0.4202, 0.2530
Android (android.graphics.Color)	4294924712 (0xFFFF59A8)
YUV	147.6400, 10.0375, 94.1547
Hunter-Lab	55.8855, 67.8815, -3.6800

Details

The Yxy color **31.2319, 0.4202, 0.2530** 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 **76.7612, 0.2683, 0.4316**, and the grayscale version is **29.3981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7675, 0.3456, 0.2534**, and **12.9932, 0.4542, 0.2312** is the 20% darker color. If you saturate the color by 10%, you get **27.2246, 0.4461, 0.2482**, and if you desaturate by 10%, it is **36.7625, 0.3963, 0.2616**.

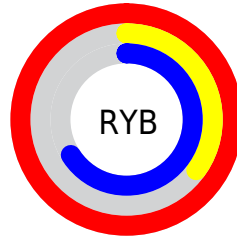
Distribution



Red (100%)

Green (35%)

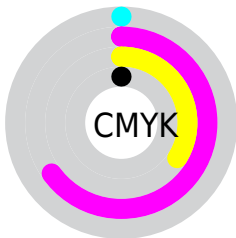
Blue (66%)



Red (100%)

Yellow (35%)

Blue (66%)

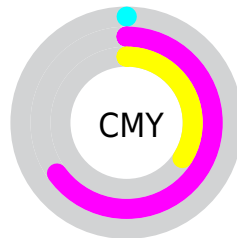


Cyan (0%)

Magenta (65%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2319, 0.4202, 0.2530 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 31.2319, 0.4202, 0.2530 by changing the saturation by 10% instead.


 31.2319, 0.4202,
0.2530


 31.2319, 0.4202,
0.2530


307.6053, 0.3642,
0.2916


 20.7755, 0.4348,
0.2433


 61.6050, 0.3994,
0.2671


 12.9600, 0.4538,
0.2308


 82.2905, 0.3917,
0.2724

 7.4010, 0.4796,
0.2143


 107.1544, 0.3853,
0.2768

 3.7141, 0.5164,
0.1914

 136.5813, 0.3798,
0.2806

 1.5150, 0.5721,
0.1583

170.9554, 0.3751,
0.2839

 0.2992, 0.6848,
0.0799

210.6611, 0.3710,

 0.0000, 1.0000,

0.2868

0.0000

256.0830, 0.3674,
0.2893

0.0000, 0.0000,
0.0000

31.2319, 0.4202,
0.2530

31.2319, 0.4202,
0.2530

27.2246, 0.4461,
0.2482

36.7625, 0.3963,
0.2616

24.5750, 0.4727,
0.2484

43.9494, 0.3750,
0.2727

23.0870, 0.4984,
0.2542

52.9165, 0.3566,
0.2852

22.6429, 0.5105,
0.2586

63.7745, 0.3411,
0.2981

76.6250, 0.3281,
0.3108

 91.5624, 0.3174,
0.3231

99.9941, 0.3127,
0.3290

Harmonies

Analogous

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



31.2319, 0.3050, 0.2028



31.2319, 0.4202, 0.2530



31.2319, 0.5079, 0.3180

Triad

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



31.2319, 0.4202, 0.2530



31.2319, 0.3880, 0.5275



31.2319, 0.1361, 0.2120

Complementary

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



31.2319, 0.4202, 0.2530



76.7612, 0.2683, 0.4316

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.



31.2319, 0.1487, 0.2931



31.2319, 0.4202, 0.2530



31.2319, 0.2884, 0.5219

Square

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



31.2319, 0.4202, 0.2530



31.2319, 0.4748, 0.4660



31.2319, 0.2005, 0.4190



31.2319, 0.1569, 0.1772

Rectangle

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



31.2319, 0.4202, 0.2530



31.2319, 0.5273, 0.3654



31.2319, 0.2005, 0.4190



31.2319, 0.1364, 0.2332

Sweetspot

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



31.2336, 0.4202, 0.2530



70.0622, 0.3342, 0.3046



23.4577, 0.2457, 0.1468



14.2393, 0.3380, 0.3010



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.



31.2336, 0.4202, 0.2530



26.3244, 0.4538, 0.2477



29.5975, 0.5255, 0.3320



18.1310, 0.3219, 0.3177



11.8644, 0.5067, 0.2565



1.1771, 0.4799, 0.2418

Inverse Universe

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



31.2336, 0.4202, 0.2530



26.3244, 0.4538, 0.2477



79.0929, 0.2348, 0.3255



18.1310, 0.3219, 0.3177



11.8644, 0.5067, 0.2565



1.1771, 0.4799, 0.2418

Previews

White Background



This preview shows how the Yxy color 31.2319, 0.4202, 0.2530 looks on a white background.

Color Contrast Check

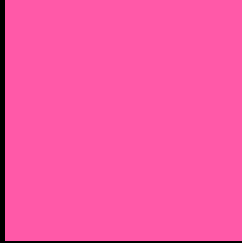
Large Text (above 18pt) WCAG AA × Fail

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 31.2319, 0.4202, 0.2530 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 31.2319, 0.4202, 0.2530

Background



This preview shows how black text looks on a background with the Yxy color 31.2319, 0.4202, 0.2530.

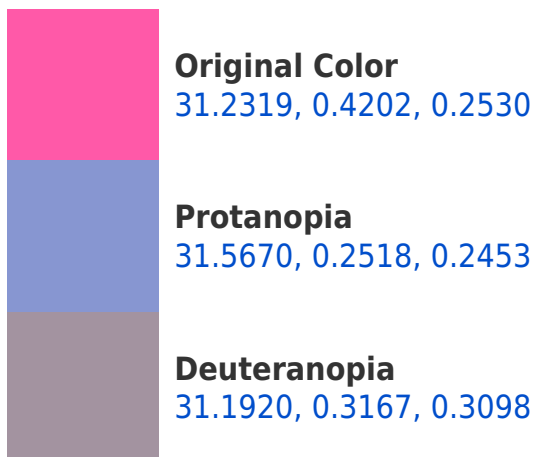


This preview shows how white text looks on a background with the Yxy color 31.2319, 0.4202, 0.2530.

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





Tritanopia

31.3139, 0.4900, 0.3238

Trichromacy



Original Color

31.2319, 0.4202, 0.2530



Protanomaly

28.9171, 0.3012, 0.2416



Deuteranomaly

29.3018, 0.3525, 0.2804



Tritanomaly

31.0425, 0.4661, 0.2981

Monochromacy



Original Color

31.2319, 0.4202, 0.2530



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.1101, 0.3514, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2319, 0.4202, 0.2530 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, 89, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 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(255, 89, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 168) }
```

Border

The CSS property to change the border of an element to Yxy 31.2319, 0.4202, 0.2530 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, 89, 168) }
```

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

```
.border{ border-color:rgb(255, 89, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 89, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 89, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 89, 168); box-shadow:4px 4px 4px 4px rgb(255, 89, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2319, 0.4202, 0.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 168) }
```

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

```
.background{ background-color: rgb(255, 89,  
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](#).

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