

Converting Colors

$Y_{xy}(31.9433, 0.4482, 0.2938)$

Have a look what the booklet for
Yxy(31.9433, 0.4482, 0.2938)
contains.

Yxy(31.9044, 0.4482, 0.2938)	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(31.9044, 0.4482, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	F9688B
RGB	249, 104, 139
RGB Percent	98%, 41%, 55%
CMY	0.0236, 0.5920, 0.4549
CMYK	0.00, 0.58, 0.44, 0.02
HSL	346°, 92%, 69%
HSV	346°, 58%, 98%
XYZ	48.6710, 31.9044, 28.0168
YIQ	151.3450, 75.1850, 41.6250

Conversions

Conversions Part 2

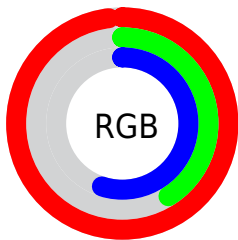
Format	Color
R_{YB}	249, 104, 139
Decimal	16345227
CIE _{Lab}	63.26, 58.36, 9.45
CIE _{LCh}	63, 59.125, 9.200
Yxy	31.9044, 0.4482, 0.2938
Android (android.graphics.Color)	4294535307 (0xFFFF9688B)
YUV	151.3450, -6.0861, 85.6434
Hunter-Lab	56.4840, 54.9627, 10.1302

Details

The Yxy color **31.9044, 0.4482, 0.2938** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **75.5376, 0.2551, 0.3726**, and the grayscale version is **31.1093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2074, 0.3730, 0.2958**, and **13.3666, 0.4933, 0.2804** is the 20% darker color. If you saturate the color by 10%, you get **27.1051, 0.4866, 0.2914**, and if you desaturate by 10%, it is **38.2817, 0.4138, 0.2985**.

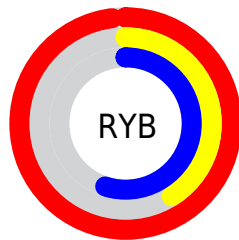
Distribution



Red (98%)

Green (41%)

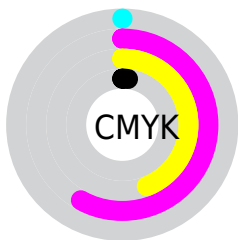
Blue (55%)



Red (98%)

Yellow (41%)

Blue (55%)

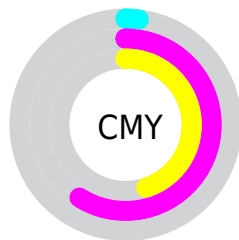


Cyan (0%)

Magenta (58%)

Yellow (44%)

Black (2%)



Cyan (2%)

Magenta (59%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9044, 0.4482, 0.2938 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 31.9044, 0.4482, 0.2938 by changing the saturation by 10% instead.


 31.9044, 0.4482,
0.2938


 31.9044, 0.4482,
0.2938


310.6835, 0.3761,
0.3141


 21.2885, 0.4674,
0.2878


 62.6612, 0.4210,
0.3018

 13.3350, 0.4928,
0.2797


 83.5709, 0.4111,
0.3047

 7.6597, 0.5275,
0.2678


 108.6806, 0.4028,
0.3070

 3.8780, 0.5772,
0.2497

 138.3747, 0.3958,
0.3089

 1.6055, 0.6525,
0.2194

173.0377, 0.3898,
0.3105

 0.3613, 0.8561,
0.1439

213.0539, 0.3846,


 0.0000, 1.0000,

0.3119


0.0000

258.8077, 0.3801,
0.3131


 0.0000, 0.0000,
0.0000

 31.9044, 0.4482,
0.2938


 31.9044, 0.4482,
0.2938


 27.1051, 0.4866,
0.2914


 38.2817, 0.4138,
0.2985


 23.7395, 0.5266,
0.2924


 46.3546, 0.3844,
0.3046

 21.6449, 0.5642,
0.2975

 56.2353, 0.3599,
0.3111

 20.5956, 0.5951,
0.3063

 68.0250, 0.3399,
0.3177

 20.4624, 0.5999,
0.3078

 81.8172, 0.3237,
0.3241

97.6993, 0.3106,
0.3300

98.8755, 0.3090,
0.3290

Harmonies

Analogous

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



31.9044, 0.3581, 0.2403



31.9044, 0.4482, 0.2938



31.9044, 0.4944, 0.3566

Triad

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



31.9044, 0.4482, 0.2938



31.9044, 0.3372, 0.5022



31.9044, 0.1636, 0.2082

Complementary

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



31.9044, 0.4482, 0.2938



75.5376, 0.2551, 0.3726

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.



31.9044, 0.1596, 0.2587



31.9044, 0.4482, 0.2938



31.9044, 0.2522, 0.4505

Square

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



31.9044, 0.4482, 0.2938



31.9044, 0.4204, 0.4811



31.9044, 0.1886, 0.3481



31.9044, 0.1985, 0.1925

Rectangle

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



31.9044, 0.4482, 0.2938



31.9044, 0.4912, 0.4006



31.9044, 0.1886, 0.3481



31.9044, 0.1589, 0.2208

Sweetspot

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



31.9061, 0.4482, 0.2938



73.4518, 0.3378, 0.3185



30.8521, 0.2853, 0.1781



15.1392, 0.3414, 0.3172



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.



31.9061, 0.4482, 0.2938



27.8434, 0.4941, 0.2913



39.9698, 0.4673, 0.3664



17.2939, 0.3256, 0.3233



10.9740, 0.5961, 0.3057



1.0323, 0.5631, 0.2876

Inverse Universe

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



31.9061, 0.4482, 0.2938



27.8434, 0.4941, 0.2913



57.2409, 0.2304, 0.2834



17.2939, 0.3256, 0.3233



10.9740, 0.5961, 0.3057



1.0323, 0.5631, 0.2876

Previews

White Background



This preview shows how the Yxy color 31.9044, 0.4482, 0.2938 looks on a white background.

Color Contrast Check

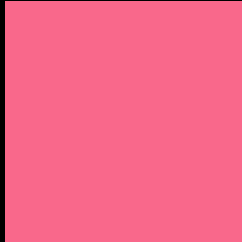
Large Text (above 18pt) WCAG AA × Fail

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 31.9044, 0.4482, 0.2938 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 31.9044, 0.4482, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 31.9044, 0.4482, 0.2938.



This preview shows how white text looks on a background with the Yxy color 31.9044, 0.4482, 0.2938.

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

31.9044, 0.4482, 0.2938

Protanopia

32.3079, 0.3009, 0.3095

Deuteranopia

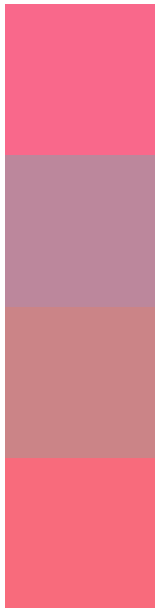
32.0759, 0.3588, 0.3523



Tritanopia

31.7602, 0.4743, 0.3214

Trichromacy



Original Color

31.9044, 0.4482, 0.2938

Protanomaly

30.4196, 0.3496, 0.3003

Deuteranomaly

30.9483, 0.3916, 0.3253

Tritanomaly

31.9271, 0.4656, 0.3122

Monochromacy



Original Color

31.9044, 0.4482, 0.2938

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.7216, 0.3589, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9044, 0.4482, 0.2938 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(249, 104, 139)` looks like.

```
.text, #text, p{  
    color:rgb(249, 104, 139)  
}
```

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(249, 104, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 104, 139) }
```

Border

The CSS property to change the border of an element to Yxy 31.9044, 0.4482, 0.2938 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(249, 104, 139) }
```

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

```
.border{ border-color:rgb(249, 104, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 104, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 104, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 104, 139);  
box-shadow:4px 4px 4px 4px rgb(249, 104,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9044, 0.4482, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 104, 139) }
```

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

```
.background{ background-color: rgb(249,  
104, 139) }
```

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