

Converting Colors

$Y_{xy}(44.2108, 0.5124, 0.3038)$

Have a look what the booklet for
Yxy(44.2108, 0.5124, 0.3038)
contains.

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Color

Yxy(31.3192, 0.4658, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	FF6085
RGB	255, 96, 133
RGB Percent	100%, 38%, 52%
CMY	0.0000, 0.6235, 0.4783
CMYK	0.00, 0.62, 0.48, 0.00
HSL	346°, 100%, 69%
HSV	346°, 62%, 100%
XYZ	49.6545, 31.3192, 25.6267
YIQ	147.7590, 82.8870, 45.2150

Conversions

Conversions Part 2

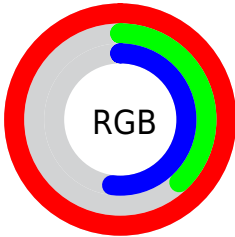
Format	Color
R _Y B	255, 96, 133
Decimal	16736389
CIE Lab	62.78, 63.14, 12.34
CIE LCh	63, 64.337, 11.056
Yxy	31.3192, 0.4658, 0.2938
Android (android.graphics.Color)	4294926469 (0xFFFF6085)
YUV	147.7590, -7.2762, 94.0504
Hunter-Lab	55.9636, 60.4405, 12.0245

Details

The Yxy color **31.3192, 0.4658, 0.2938** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.0609, 0.2522, 0.3746**, and the grayscale version is **29.5174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5876, 0.3808, 0.2947**, and **13.0106, 0.5157, 0.2783** is the 20% darker color. If you saturate the color by 10%, you get **26.9060, 0.5057, 0.2929**, and if you desaturate by 10%, it is **37.3448, 0.4290, 0.2975**.

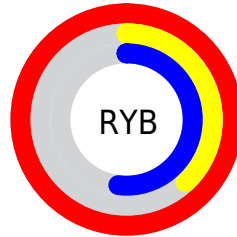
Distribution



Red (100%)

Green (38%)

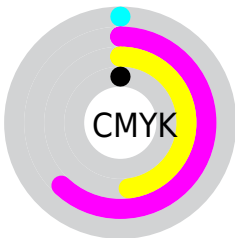
Blue (52%)



Red (100%)

Yellow (38%)

Blue (52%)

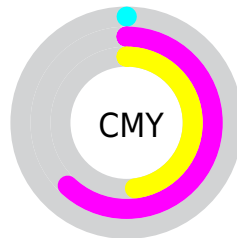


Cyan (0%)

Magenta (62%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3192, 0.4658, 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 31.3192, 0.4658, 0.2938 by changing the saturation by 10% instead.

 31.3192, 0.4658,
0.2938


 31.3192, 0.4658,
0.2938


308.0062, 0.3841,
0.3148


 20.8420, 0.4875,
0.2874


 61.7423, 0.4350,
0.3023


 13.0086, 0.5161,
0.2785


 82.4570, 0.4238,
0.3052

 7.4345, 0.5549,
0.2655


 107.3530, 0.4144,
0.3076

 3.7353, 0.6098,
0.2453

 136.8146, 0.4065,
0.3096

 1.5266, 0.6935,
0.2123

171.2264, 0.3997,
0.3112

 0.3073, 0.8809,
0.1191

210.9727, 0.3938,


 0.0000, 1.0000,


0.3126


0.0000


256.4378, 0.3887,
0.3138


 0.0000, 0.0000,
0.0000


 31.3192, 0.4658,
0.2938


 31.3192, 0.4658,
0.2938


 26.9060, 0.5057,
0.2929


 37.3448, 0.4290,
0.2975


 23.9423, 0.5456,
0.2956

 45.1145, 0.3970,
0.3029

 22.2402, 0.5809,
0.3024

 54.7522, 0.3702,
0.3091

 21.5771, 0.6027,
0.3094

 66.3691, 0.3481,
0.3155

 80.0677, 0.3302,
0.3218

 95.9434, 0.3157,
0.3277

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



31.3192, 0.3684, 0.2364



31.3192, 0.4658, 0.2938



31.3192, 0.5113, 0.3604

Triad

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



31.3192, 0.4658, 0.2938



31.3192, 0.3310, 0.5189



31.3192, 0.1543, 0.1964

Complementary

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



31.3192, 0.4658, 0.2938



79.0609, 0.2522, 0.3746

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.



31.3192, 0.1477, 0.2468



31.3192, 0.4658, 0.2938



31.3192, 0.2405, 0.4576

Square

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



31.3192, 0.4658, 0.2938



31.3192, 0.4216, 0.4957



31.3192, 0.1752, 0.3418



31.3192, 0.1930, 0.1825

Rectangle

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



31.3192, 0.4658, 0.2938



31.3192, 0.5037, 0.4073



31.3192, 0.1752, 0.3418



31.3192, 0.1486, 0.2086

Sweetspot

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



31.3209, 0.4658, 0.2938



70.7209, 0.3417, 0.3176



30.4776, 0.2850, 0.1699



14.3386, 0.3471, 0.3158



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.



31.3209, 0.4658, 0.2938



25.9871, 0.5165, 0.2932



40.3975, 0.4816, 0.3706



18.0563, 0.3257, 0.3235



11.2946, 0.5988, 0.3072



1.1157, 0.5678, 0.2901

Inverse Universe

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



31.3209, 0.4658, 0.2938



25.9871, 0.5165, 0.2932



57.0925, 0.2252, 0.2760



18.0563, 0.3257, 0.3235



11.2946, 0.5988, 0.3072



1.1157, 0.5678, 0.2901

Previews

White Background



This preview shows how the Yxy color 31.3192, 0.4658, 0.2938 looks on a white background.

Color Contrast Check

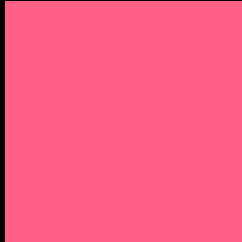
Large Text (above 18pt) WCAG AA × Fail

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 31.3192, 0.4658, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

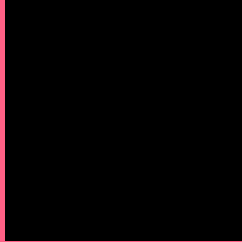
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3192, 0.4658, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 31.3192, 0.4658, 0.2938.



This preview shows how white text looks on a background with the Yxy color 31.3192, 0.4658, 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

31.3192, 0.4658, 0.2938

Protanopia

31.4530, 0.3027, 0.3108

Deuteranopia

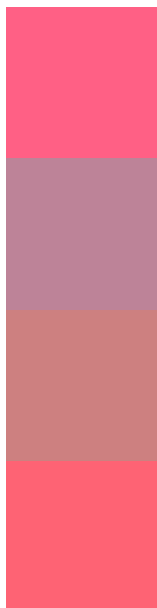
31.2685, 0.3669, 0.3598



Tritanopia

31.2515, 0.4956, 0.3239

Trichromacy



Original Color

31.3192, 0.4658, 0.2938

Protanomaly

29.3184, 0.3562, 0.3003

Deuteranomaly

29.9760, 0.4041, 0.3293

Tritanomaly

31.2555, 0.4861, 0.3134

Monochromacy



Original Color

31.3192, 0.4658, 0.2938

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.2485, 0.3650, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3192, 0.4658, 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(255, 96, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 133)  
}
```

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, 96, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 133) }
```

Border

The CSS property to change the border of an element to Yxy 31.3192, 0.4658, 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(255, 96, 133) }
```

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

```
.border{ border-color:rgb(255, 96, 133) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3192, 0.4658, 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(255, 96, 133) }
```

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

```
.background{ background-color: rgb(255, 96,  
133) }
```

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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