

Converting Colors

$Y_{xy}(31.9836, 0.4154, 0.2671)$

Have a look what the booklet for
Yxy(31.9836, 0.4154, 0.2671)
contains.

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Color

Yxy(31.9212, 0.4149, 0.2664)

Conversions

Conversions Part 1

Format	Color
Hex	F766A3
RGB	247, 102, 163
RGB Percent	97%, 40%, 64%
CMY	0.0314, 0.5999, 0.3608
CMYK	0.00, 0.59, 0.34, 0.03
HSL	335°, 90%, 68%
HSV	335°, 59%, 97%
XYZ	49.7151, 31.9212, 38.1880
YIQ	152.3090, 66.8390, 49.7110

Conversions

Conversions Part 2

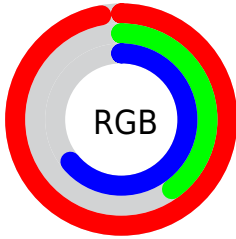
Format	Color
R_{YB}	247, 102, 163
Decimal	16213667
CIE _{Lab}	63.28, 61.15, -4.36
CIE _{LCh}	63, 61.300, 355.924
Yxy	31.9212, 0.4149, 0.2664
Android (android.graphics.Color)	4294403747 (0xFFFF766A3)
YUV	152.3090, 5.2707, 83.0440
Hunter-Lab	56.4988, 58.1948, -0.5254

Details

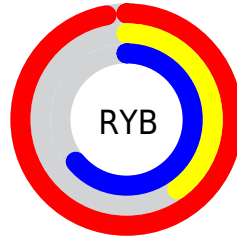
The Yxy color **31.9212, 0.4149, 0.2664** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **72.8835, 0.2667, 0.4083**, and the grayscale version is **31.4983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1182, 0.3487, 0.2689**, and **13.3684, 0.4488, 0.2480** is the 20% darker color. If you saturate the color by 10%, you get **27.2845, 0.4429, 0.2603**, and if you desaturate by 10%, it is **38.0649, 0.3898, 0.2754**.

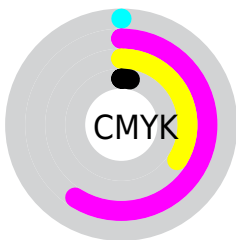
Distribution



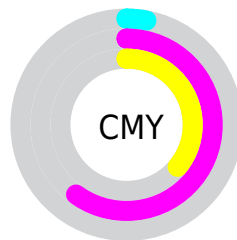
- Red (97%)
- Green (40%)
- Blue (64%)



- Red (97%)
- Yellow (40%)
- Blue (64%)



- Cyan (0%)
- Magenta (59%)
- Yellow (34%)
- Black (3%)



- Cyan (3%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9212, 0.4149, 0.2664 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 31.9212, 0.4149, 0.2664 by changing the saturation by 10% instead.


 31.9212, 0.4149,
0.2664


 31.9212, 0.4149,
0.2664


310.7601, 0.3614,
0.2987

 21.3013, 0.4290,
0.2581


 62.6875, 0.3949,
0.2783

 13.3444, 0.4474,
0.2473


 83.6028, 0.3876,
0.2827

 7.6662, 0.4727,
0.2328


 108.7186, 0.3814,
0.2864

 3.8821, 0.5089,
0.2123

 138.4194, 0.3762,
0.2896

 1.6078, 0.5648,
0.1816

173.0895, 0.3717,
0.2923

 0.3629, 0.6823,
0.1085

213.1135, 0.3678,

 0.0000, 1.0000,

0.2947


0.0000


258.8755, 0.3644,
0.2968


 0.0000, 0.0000,
0.0000


 31.9212, 0.4149,
0.2664


 31.9212, 0.4149,
0.2664


 27.2845, 0.4429,
0.2603


 38.0649, 0.3898,
0.2754


 24.0152, 0.4726,
0.2583

 45.8289, 0.3681,
0.2861

 21.9559, 0.5024,
0.2616


 55.3214, 0.3497,
0.2975

 20.8768, 0.5302,
0.2701

 66.6394, 0.3344,
0.3089

 20.7682, 0.5337,
0.2714

 79.8732, 0.3218,
0.3199

 95.1065, 0.3115,
0.3303

 98.5112, 0.3078,
0.3290

Harmonies

Analogous

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



31.9212, 0.3149, 0.2187



31.9212, 0.4149, 0.2664



31.9212, 0.4874, 0.3274

Triad

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



31.9212, 0.4149, 0.2664



31.9212, 0.3766, 0.5063



31.9212, 0.1537, 0.2222

Complementary

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



31.9212, 0.4149, 0.2664



72.8835, 0.2667, 0.4083

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.



31.9212, 0.1638, 0.2921



31.9212, 0.4149, 0.2664



31.9212, 0.2870, 0.4893

Square

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



31.9212, 0.4149, 0.2664



31.9212, 0.4547, 0.4606



31.9212, 0.2093, 0.3978



31.9212, 0.1753, 0.1917

Rectangle

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



31.9212, 0.4149, 0.2664



31.9212, 0.5025, 0.3715



31.9212, 0.2093, 0.3978



31.9212, 0.1534, 0.2407

Sweetspot

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



31.9229, 0.4149, 0.2664



72.5340, 0.3335, 0.3097



26.4331, 0.2606, 0.1666



14.7129, 0.3376, 0.3064



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.



31.9229, 0.4149, 0.2664



28.7512, 0.4470, 0.2597



32.2507, 0.4890, 0.3391



16.5982, 0.3227, 0.3191



11.0122, 0.5295, 0.2690



0.9879, 0.4972, 0.2513

Inverse Universe

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



31.9229, 0.4149, 0.2664



28.7512, 0.4470, 0.2597



70.2942, 0.2374, 0.3170



16.5982, 0.3227, 0.3191



11.0122, 0.5295, 0.2690



0.9879, 0.4972, 0.2513

Previews

White Background



This preview shows how the Yxy color 31.9212, 0.4149, 0.2664 looks on a white background.

Color Contrast Check

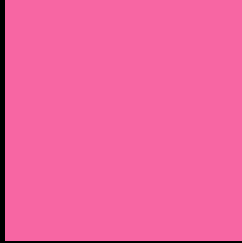
Large Text (above 18pt) WCAG AA × Fail

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 31.9212, 0.4149, 0.2664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

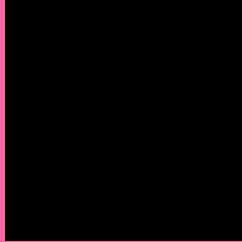
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9212, 0.4149, 0.2664

Background



This preview shows how black text looks on a background with the Yxy color 31.9212, 0.4149, 0.2664.



This preview shows how white text looks on a background with the Yxy color 31.9212, 0.4149, 0.2664.

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

31.9212, 0.4149, 0.2664

Protanopia

32.2362, 0.2683, 0.2669

Deuteranopia

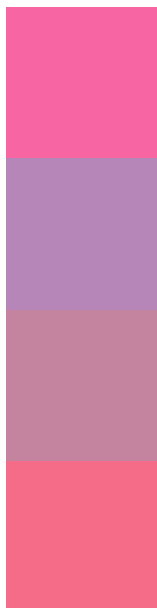
32.1107, 0.3245, 0.3188



Tritanopia

31.7555, 0.4649, 0.3211

Trichromacy



Original Color

31.9212, 0.4149, 0.2664

Protanomaly

30.2928, 0.3137, 0.2630

Deuteranomaly

30.7415, 0.3557, 0.2934

Tritanomaly

31.7075, 0.4467, 0.3011

Monochromacy



Original Color

31.9212, 0.4149, 0.2664

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.0153, 0.3487, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9212, 0.4149, 0.2664 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(247, 102, 163)` looks like.

```
.text, #text, p{  
    color:rgb(247, 102, 163)  
}
```

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(247, 102, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 102, 163) }
```

Border

The CSS property to change the border of an element to Yxy 31.9212, 0.4149, 0.2664 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(247, 102, 163) }
```

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

```
.border{ border-color:rgb(247, 102, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 102, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 102, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 102, 163);  
box-shadow:4px 4px 4px 4px rgb(247, 102,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9212, 0.4149, 0.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 102, 163) }
```

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

```
.background{ background-color: rgb(247,  
102, 163) }
```

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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