

Converting Colors

$Y_{xy}(31.6660, 0.4270, 0.2791)$

Have a look what the booklet for
Yxy(31.6660, 0.4270, 0.2791)
contains.

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Color

Yxy(31.5801, 0.4268, 0.2792)

Conversions

Conversions Part 1

Format	Color
Hex	F56898
RGB	245, 104, 152
RGB Percent	96%, 41%, 60%
CMY	0.0392, 0.5921, 0.4039
CMYK	0.00, 0.58, 0.38, 0.04
HSL	340°, 88%, 68%
HSV	340°, 58%, 96%
XYZ	48.2750, 31.5801, 33.2541
YIQ	151.6310, 68.6280, 44.8200

Conversions

Conversions Part 2

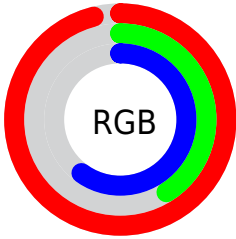
Format	Color
R_{YB}	245, 104, 152
Decimal	16083096
CIE _{Lab}	62.99, 58.44, 1.51
CIE _{LCh}	63, 58.458, 1.480
Yxy	31.5801, 0.4268, 0.2792
Android (android.graphics.Color)	4294273176 (0xFF56898)
YUV	151.6310, 0.1819, 81.8846
Hunter-Lab	56.1962, 54.9962, 4.2524

Details

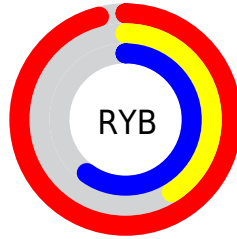
The Yxy color **31.5801, 0.4268, 0.2792** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **72.2834, 0.2619, 0.3908**, and the grayscale version is **31.2101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8578, 0.3597, 0.2816**, and **13.2079, 0.4651, 0.2632** is the 20% darker color. If you saturate the color by 10%, you get **26.8512, 0.4592, 0.2745**, and if you desaturate by 10%, it is **37.8168, 0.3979, 0.2865**.

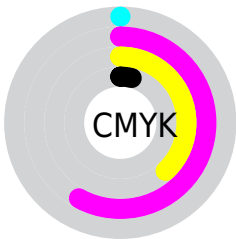
Distribution



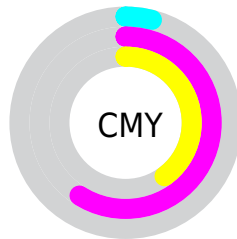
- Red (96%)
- Green (41%)
- Blue (60%)



- Red (96%)
- Yellow (41%)
- Blue (60%)



- Cyan (0%)
- Magenta (58%)
- Yellow (38%)
- Black (4%)





- Cyan (4%)
- Magenta (59%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5801, 0.4268, 0.2792 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 31.5801, 0.4268, 0.2792 by changing the saturation by 10% instead.


 31.5801, 0.4268,
0.2792


 31.5801, 0.4268,
0.2792


309.2020, 0.3664,
0.3058

 21.0410, 0.4429,
0.2720


 62.1522, 0.4041,
0.2893


 13.1540, 0.4641,
0.2625


 82.9540, 0.3958,
0.2929

 7.5346, 0.4933,
0.2494


 107.9455, 0.3888,
0.2960

 3.7987, 0.5356,
0.2302

 137.5111, 0.3830,
0.2985

 1.5616, 0.6012,
0.2001

172.0351, 0.3779,
0.3008

 0.3315, 0.7816,
0.1234

211.9020, 0.3736,

 0.0000, 1.0000,

0.3027

0.0000

257.4962, 0.3697,
0.3043

■ 0.0000, 0.0000,
0.0000

■ 31.5801, 0.4268,
0.2792

■ 31.5801, 0.4268,
0.2792

■ 26.8512, 0.4592,
0.2745

■ 37.8168, 0.3979,
0.2865

■ 23.4942, 0.4938,
0.2737

■ 45.6717, 0.3732,
0.2952

■ 21.3572, 0.5280,
0.2777


■ 55.2506, 0.3525,
0.3045


■ 20.2376, 0.5588,
0.2866

■ 66.6486, 0.3355,
0.3138

■ 20.0440, 0.5658,
0.2891

■ 79.9543, 0.3215,
0.3227

 95.2499, 0.3101,
0.3310

 98.1535, 0.3066,
0.3290

Harmonies

Analogous

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



31.5801, 0.3328, 0.2297



31.5801, 0.4268, 0.2792



31.5801, 0.4870, 0.3401

Triad

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



31.5801, 0.4268, 0.2792



31.5801, 0.3595, 0.5014



31.5801, 0.1606, 0.2184

Complementary

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



31.5801, 0.4268, 0.2792



72.2834, 0.2619, 0.3908

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.



31.5801, 0.1647, 0.2787



31.5801, 0.4268, 0.2792



31.5801, 0.2733, 0.4697

Square

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



31.5801, 0.4268, 0.2792



31.5801, 0.4382, 0.4672



31.5801, 0.2027, 0.3751



31.5801, 0.1874, 0.1945

Rectangle

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



31.5801, 0.4268, 0.2792



31.5801, 0.4943, 0.3834



31.5801, 0.2027, 0.3751



31.5801, 0.1585, 0.2341

Sweetspot

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



31.5818, 0.4268, 0.2792



73.6854, 0.3347, 0.3142



28.1839, 0.2726, 0.1742



15.1939, 0.3378, 0.3124



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.



31.5818, 0.4268, 0.2792



28.7214, 0.4647, 0.2741



35.1194, 0.4751, 0.3512



16.5756, 0.3240, 0.3210



10.8208, 0.5616, 0.2867



0.9695, 0.5266, 0.2675

Inverse Universe

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



31.5818, 0.4268, 0.2792



28.7214, 0.4647, 0.2741



62.7698, 0.2352, 0.3025



16.5756, 0.3240, 0.3210



10.8208, 0.5616, 0.2867



0.9695, 0.5266, 0.2675

Previews

White Background



This preview shows how the Yxy color 31.5801, 0.4268, 0.2792 looks on a white background.

Color Contrast Check

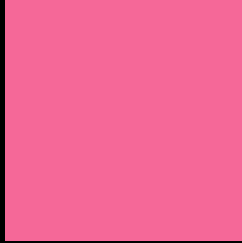
Large Text (above 18pt) WCAG AA × Fail

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 31.5801, 0.4268, 0.2792 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 31.5801, 0.4268, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 31.5801, 0.4268, 0.2792.



This preview shows how white text looks on a background with the Yxy color 31.5801, 0.4268, 0.2792.

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

31.5801, 0.4268, 0.2792

Protanopia

31.9957, 0.2826, 0.2861

Deuteranopia

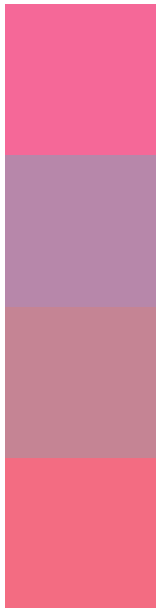
31.7702, 0.3388, 0.3335



Tritanopia

31.5541, 0.4652, 0.3221

Trichromacy



Original Color

31.5801, 0.4268, 0.2792

Protanomaly

30.2975, 0.3290, 0.2812

Deuteranomaly

30.5110, 0.3695, 0.3079

Tritanomaly

31.3915, 0.4523, 0.3063

Monochromacy



Original Color

31.5801, 0.4268, 0.2792

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.0340, 0.3518, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5801, 0.4268, 0.2792 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(245, 104, 152)` looks like.

```
.text, #text, p{  
    color:rgb(245, 104, 152)  
}
```

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(245, 104, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 104, 152) }
```

Border

The CSS property to change the border of an element to Yxy 31.5801, 0.4268, 0.2792 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(245, 104, 152) }
```

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

```
.border{ border-color:rgb(245, 104, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 104, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 104, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 104, 152);  
box-shadow:4px 4px 4px 4px rgb(245, 104,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5801, 0.4268, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 104, 152) }
```

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

```
.background{ background-color: rgb(245,  
104, 152) }
```

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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