

Converting Colors

$Y_{xy}(30.8158, 0.4337, 0.2865)$

Have a look what the booklet for
Yxy(30.8158, 0.4337, 0.2865)
contains.

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Color

Yxy(30.8222, 0.4331, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	F26891
RGB	242, 104, 145
RGB Percent	95%, 41%, 57%
CMY	0.0510, 0.5921, 0.4314
CMYK	0.00, 0.57, 0.40, 0.05
HSL	342°, 84%, 68%
HSV	342°, 57%, 95%
XYZ	46.6752, 30.8222, 30.2726
YIQ	149.9360, 69.0870, 42.0070

Conversions

Conversions Part 2

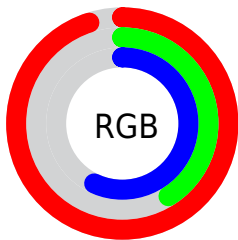
Format	Color
R _Y B	242, 104, 145
Decimal	15886481
CIE Lab	62.36, 56.73, 4.56
CIE LCh	62, 56.911, 4.600
Yxy	30.8222, 0.4331, 0.2860
Android (android.graphics.Color)	4294076561 (0xFFFF26891)
YUV	149.9360, -2.4334, 80.7401
Hunter-Lab	55.5177, 52.9134, 6.5329

Details

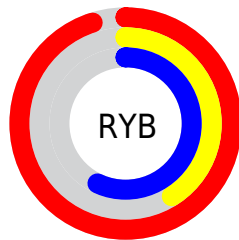
The Yxy color **30.8222, 0.4331, 0.2860** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **70.6589, 0.2594, 0.3819**, and the grayscale version is **30.4618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5251, 0.3663, 0.2886**, and **12.8043, 0.4730, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **26.1442, 0.4679, 0.2821**, and if you desaturate by 10%, it is **36.9794, 0.4022, 0.2923**.

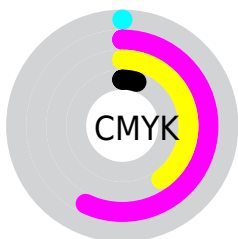
Distribution



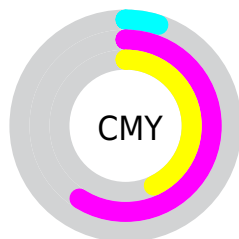
- Red (95%)
- Green (41%)
- Blue (57%)



- Red (95%)
- Yellow (41%)
- Blue (57%)



- Cyan (0%)
- Magenta (57%)
- Yellow (40%)
- Black (5%)





- Cyan (5%)
- Magenta (59%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8222, 0.4331, 0.2860 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 30.8222, 0.4331, 0.2860 by changing the saturation by 10% instead.

 30.8222, 0.4331,
0.2860


 30.8222, 0.4331,
0.2860


305.7184, 0.3689,
0.3096


 20.4635, 0.4504,
0.2794


 60.9600, 0.4088,
0.2951


 12.7324, 0.4732,
0.2705


 81.5080, 0.4000,
0.2984

 7.2445, 0.5048,
0.2580


 106.2211, 0.3926,
0.3011

 3.6155, 0.5507,
0.2391

 135.4838, 0.3864,
0.3033

 1.4609, 0.6222,
0.2086

169.6805, 0.3811,
0.3053

 0.2610, 0.8796,
0.1204

209.1955, 0.3765,

 0.0000, 1.0000,

0.3069

0.0000

254.4134, 0.3724,
0.3084

0.0000, 0.0000,
0.0000

30.8222, 0.4331,
0.2860

30.8222, 0.4331,
0.2860

26.1442, 0.4679,
0.2821

36.9794, 0.4022,
0.2923

22.8139, 0.5049,
0.2818

44.7228, 0.3759,
0.2999

20.6845, 0.5411,
0.2860

54.1550, 0.3540,
0.3081


19.5668, 0.5729,
0.2948

65.3686, 0.3360,
0.3161

19.3410, 0.5815,
0.2977

78.4495, 0.3213,
0.3239

 93.4778, 0.3094,
0.3311

 97.6150, 0.3047,
0.3290

Harmonies

Analogous

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



30.8222, 0.3424, 0.2355



30.8222, 0.4331, 0.2860



30.8222, 0.4868, 0.3469

Triad

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



30.8222, 0.4331, 0.2860



30.8222, 0.3503, 0.4984



30.8222, 0.1641, 0.2163

Complementary

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



30.8222, 0.4331, 0.2860



70.6589, 0.2594, 0.3819

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.



30.8222, 0.1651, 0.2718



30.8222, 0.4331, 0.2860



30.8222, 0.2659, 0.4591

Square

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



30.8222, 0.4331, 0.2860



30.8222, 0.4294, 0.4706



30.8222, 0.1991, 0.3636



30.8222, 0.1938, 0.1958

Rectangle

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



30.8222, 0.4331, 0.2860



30.8222, 0.4900, 0.3898



30.8222, 0.1991, 0.3636



30.8222, 0.1610, 0.2305

Sweetspot

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



30.8238, 0.4331, 0.2860



73.5824, 0.3360, 0.3161



28.6766, 0.2796, 0.1783



15.1697, 0.3394, 0.3145



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.



30.8238, 0.4331, 0.2860



28.9304, 0.4722, 0.2818



36.2730, 0.4675, 0.3584



15.8361, 0.3247, 0.3220



10.4123, 0.5772, 0.2954



0.8830, 0.5399, 0.2748

Inverse Universe

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



30.8238, 0.4331, 0.2860



28.9304, 0.4722, 0.2818



57.6472, 0.2338, 0.2938



15.8361, 0.3247, 0.3220



10.4123, 0.5772, 0.2954



0.8830, 0.5399, 0.2748

Previews

White Background



This preview shows how the Yxy color 30.8222, 0.4331, 0.2860 looks on a white background.

Color Contrast Check

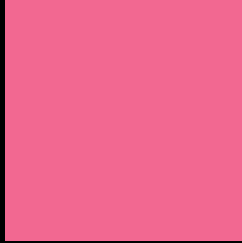
Large Text (above 18pt) WCAG AA × Fail

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 30.8222, 0.4331, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

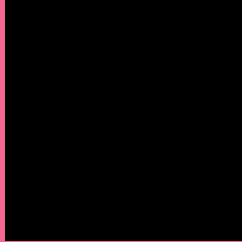
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8222, 0.4331, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 30.8222, 0.4331, 0.2860.



This preview shows how white text looks on a background with the Yxy color 30.8222, 0.4331, 0.2860.

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

30.8222, 0.4331, 0.2860

Protanopia

31.0872, 0.2909, 0.2959

Deuteranopia

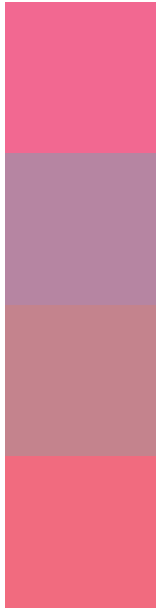
30.9388, 0.3465, 0.3410



Tritanopia

30.7469, 0.4658, 0.3210

Trichromacy



Original Color

30.8222, 0.4331, 0.2860

Protanomaly

29.3288, 0.3367, 0.2888

Deuteranomaly

29.8914, 0.3770, 0.3157

Tritanomaly

30.7485, 0.4548, 0.3083

Monochromacy



Original Color

30.8222, 0.4331, 0.2860

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

28.9805, 0.3535, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8222, 0.4331, 0.2860 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(242, 104, 145)` looks like.

```
.text, #text, p{  
    color:rgb(242, 104, 145)  
}
```

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(242, 104, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 104, 145) }
```

Border

The CSS property to change the border of an element to Yxy 30.8222, 0.4331, 0.2860 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(242, 104, 145) }
```

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

```
.border{ border-color:rgb(242, 104, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 104, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 104, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 104, 145);  
box-shadow:4px 4px 4px 4px rgb(242, 104,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8222, 0.4331, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 104, 145) }
```

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

```
.background{ background-color: rgb(242,  
104, 145) }
```

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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