

Converting Colors

$Y_{xy}(30.8561, 0.4222, 0.2795)$

Have a look what the booklet for
Yxy(30.8561, 0.4222, 0.2795)
contains.

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Color

Yxy(30.8628, 0.4226, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	F06997
RGB	240, 105, 151
RGB Percent	94%, 41%, 59%
CMY	0.0587, 0.5883, 0.4078
CMYK	0.00, 0.56, 0.37, 0.06
HSL	340°, 82%, 68%
HSV	340°, 56%, 94%
XYZ	46.5808, 30.8628, 32.7807
YIQ	150.6090, 65.6940, 42.9260

Conversions

Conversions Part 2

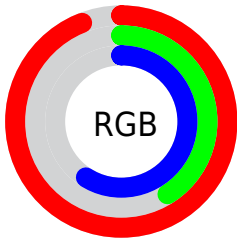
Format	Color
R _Y B	240, 105, 151
Decimal	15755671
CIE Lab	62.39, 56.31, 1.11
CIE LCh	62, 56.325, 1.133
Yxy	30.8628, 0.4226, 0.2800
Android (android.graphics.Color)	4293945751 (0xFFFF06997)
YUV	150.6090, 0.1928, 78.3959
Hunter-Lab	55.5543, 52.4474, 3.9030

Details

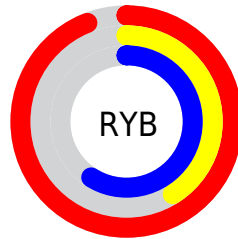
The Yxy color **30.8628, 0.4226, 0.2800** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **69.2365, 0.2627, 0.3892**, and the grayscale version is **30.7484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1575, 0.3604, 0.2836**, and **12.7373, 0.4596, 0.2639** is the 20% darker color. If you saturate the color by 10%, you get **26.1666, 0.4546, 0.2749**, and if you desaturate by 10%, it is **37.0106, 0.3943, 0.2876**.

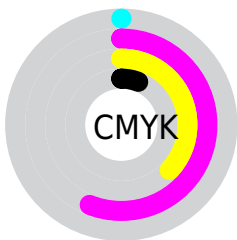
Distribution



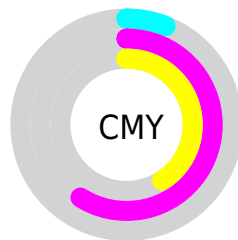
- Red (94%)
- Green (41%)
- Blue (59%)



- Red (94%)
- Yellow (41%)
- Blue (59%)



- Cyan (0%)
- Magenta (56%)
- Yellow (37%)
- Black (6%)





- Cyan (6%)
- Magenta (59%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8628, 0.4226, 0.2800 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 30.8628, 0.4226, 0.2800 by changing the saturation by 10% instead.

 30.8628, 0.4226,
0.2800


 30.8628, 0.4226,
0.2800

305.9057, 0.3642,
0.3062


 20.4944, 0.4383,
0.2729


 61.0240, 0.4006,
0.2899

 12.7549, 0.4590,
0.2635


 81.5856, 0.3925,
0.2935

 7.2600, 0.4876,
0.2505


 106.3137, 0.3858,
0.2965

 3.6252, 0.5293,
0.2313

 135.5927, 0.3802,
0.2991

 1.4662, 0.5947,
0.2010

169.8070, 0.3753,
0.3012

 0.2648, 0.7995,
0.1117

209.3410, 0.3711,

 0.0000, 1.0000,

0.3031

0.0000

254.5791, 0.3674,
0.3048

0.0000, 0.0000,
0.0000

30.8628, 0.4226,
0.2800

30.8628, 0.4226,
0.2800

26.1666, 0.4546,
0.2749

37.0106, 0.3943,
0.2876

22.7950, 0.4889,
0.2734

44.7132, 0.3702,
0.2964

20.6069, 0.5232,
0.2767

54.0702, 0.3501,
0.3057

19.4253, 0.5546,
0.2851

65.1711, 0.3335,
0.3149

19.1369, 0.5654,
0.2888

78.0991, 0.3199,
0.3238

92.9322, 0.3088,
0.3320

97.2708, 0.3036,
0.3290

Harmonies

Analogous

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



30.8628, 0.3313, 0.2316



30.8628, 0.4226, 0.2800



30.8628, 0.4817, 0.3397

Triad

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



30.8628, 0.4226, 0.2800



30.8628, 0.3599, 0.4962



30.8628, 0.1639, 0.2218

Complementary

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



30.8628, 0.4226, 0.2800



69.2365, 0.2627, 0.3892

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.



30.8628, 0.1685, 0.2814



30.8628, 0.4226, 0.2800



30.8628, 0.2757, 0.4658

Square

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



30.8628, 0.4226, 0.2800



30.8628, 0.4363, 0.4636



30.8628, 0.2063, 0.3751



30.8628, 0.1899, 0.1978

Rectangle

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



30.8628, 0.4226, 0.2800



30.8628, 0.4896, 0.3822



30.8628, 0.2063, 0.3751



30.8628, 0.1620, 0.2374

Sweetspot

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



30.8644, 0.4226, 0.2800



73.6864, 0.3347, 0.3142



27.6987, 0.2739, 0.1776



15.1941, 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.



30.8644, 0.4226, 0.2800



29.1483, 0.4612, 0.2743



34.2779, 0.4694, 0.3509



15.8477, 0.3240, 0.3210



10.4951, 0.5611, 0.2865



0.8911, 0.5244, 0.2662

Inverse Universe

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



30.8644, 0.4226, 0.2800



29.1483, 0.4612, 0.2743



60.3631, 0.2365, 0.3032



15.8477, 0.3240, 0.3210



10.4951, 0.5611, 0.2865



0.8911, 0.5244, 0.2662

Previews

White Background



This preview shows how the Yxy color 30.8628, 0.4226, 0.2800 looks on a white background.

Color Contrast Check

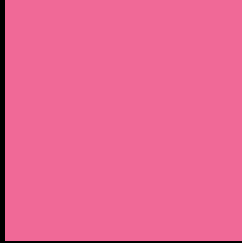
Large Text (above 18pt) WCAG AA × Fail

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 30.8628, 0.4226, 0.2800 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 30.8628, 0.4226, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 30.8628, 0.4226, 0.2800.



This preview shows how white text looks on a background with the Yxy color 30.8628, 0.4226, 0.2800.

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

30.8628, 0.4226, 0.2800

Protanopia

31.1380, 0.2840, 0.2871

Deuteranopia

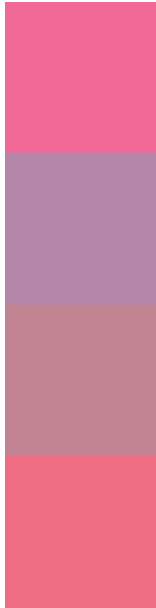
30.9269, 0.3371, 0.3306



Tritanopia

30.8779, 0.4601, 0.3209

Trichromacy



Original Color

30.8628, 0.4226, 0.2800

Protanomaly

29.5806, 0.3280, 0.2819

Deuteranomaly

29.8085, 0.3676, 0.3076

Tritanomaly

30.9267, 0.4465, 0.3057

Monochromacy



Original Color

30.8628, 0.4226, 0.2800

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.3518, 0.3498, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8628, 0.4226, 0.2800 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(240, 105, 151)` looks like.

```
.text, #text, p{  
    color:rgb(240, 105, 151)  
}
```

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(240, 105, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 105, 151) }
```

Border

The CSS property to change the border of an element to Yxy 30.8628, 0.4226, 0.2800 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(240, 105, 151) }
```

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

```
.border{ border-color:rgb(240, 105, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 105, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 105, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 105, 151);  
box-shadow:4px 4px 4px 4px rgb(240, 105,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8628, 0.4226, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 105, 151) }
```

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

```
.background{ background-color: rgb(240,  
105, 151) }
```

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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