

Converting Colors

$Y_{xy}(30.7844, 0.4069, 0.2757)$

Have a look what the booklet for
Yxy(30.7844, 0.4069, 0.2757)
contains.

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Color

Yxy(30.8640, 0.4068, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	EA6D9D
RGB	234, 109, 157
RGB Percent	92%, 43%, 62%
CMY	0.0823, 0.5726, 0.3842
CMYK	0.00, 0.53, 0.33, 0.08
HSL	337°, 75%, 67%
HSV	337°, 53%, 92%
XYZ	45.4909, 30.8640, 35.4712
YIQ	151.8470, 59.0920, 41.4280

Conversions

Conversions Part 2

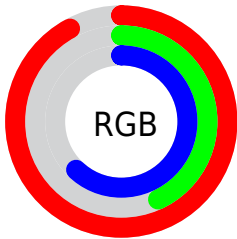
Format	Color
R _Y B	234, 109, 157
Decimal	15363485
CIE Lab	62.39, 53.21, -2.46
CIE LCh	62, 53.267, 357.357
Yxy	30.8640, 0.4068, 0.2760
Android (android.graphics.Color)	4293553565 (0xFFEA6D9D)
YUV	151.8470, 2.5404, 72.0482
Hunter-Lab	55.5554, 48.9407, 1.0330

Details

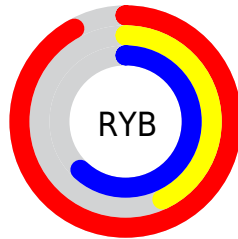
The Yxy color **30.8640, 0.4068, 0.2760** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **65.6469, 0.2670, 0.3931**, and the grayscale version is **31.3004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5141, 0.3543, 0.2807**, and **12.7929, 0.4376, 0.2592** is the 20% darker color. If you saturate the color by 10%, you get **26.0567, 0.4353, 0.2690**, and if you desaturate by 10%, it is **37.0612, 0.3819, 0.2851**.

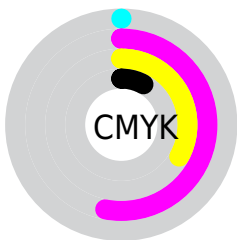
Distribution



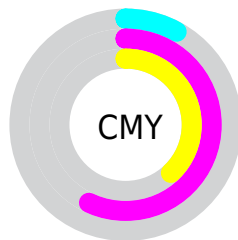
- Red (92%)
- Green (43%)
- Blue (62%)



- Red (92%)
- Yellow (43%)
- Blue (62%)



- Cyan (0%)
- Magenta (53%)
- Yellow (33%)
- Black (8%)





- Cyan (8%)
- Magenta (57%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8640, 0.4068, 0.2760 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 30.8640, 0.4068, 0.2760 by changing the saturation by 10% instead.


 30.8640, 0.4068,
0.2760


 30.8640, 0.4068,
0.2760


305.9113, 0.3570,
0.3038


 20.4953, 0.4201,
0.2687


 61.0259, 0.3880,
0.2864


 12.7556, 0.4377,
0.2591


 81.5879, 0.3812,
0.2902

 7.2605, 0.4621,
0.2459


 106.3164, 0.3755,
0.2934

 3.6255, 0.4976,
0.2268

 135.5959, 0.3707,
0.2961

 1.4664, 0.5539,
0.1973

169.8108, 0.3665,
0.2984

 0.2649, 0.7092,
0.1062

209.3453, 0.3629,


 0.0000, 1.0000,


0.3004

0.0000


254.5840, 0.3598,
0.3022


 0.0000, 0.0000,
0.0000


 30.8640, 0.4068,
0.2760


 30.8640, 0.4068,
0.2760


 26.0567, 0.4353,
0.2690

 37.0612, 0.3819,
0.2851


 22.5245, 0.4664,
0.2654


 44.7415, 0.3606,
0.2953


 20.1420, 0.4985,
0.2665

 53.9957, 0.3429,
0.3058

 18.7554, 0.5293,
0.2728

 64.9058, 0.3283,
0.3160

 18.2311, 0.5479,
0.2792

 77.5480, 0.3163,
0.3258

91.9939, 0.3065,
0.3349

96.2343, 0.2999,
0.3290

Harmonies

Analogous

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



30.8640, 0.3196, 0.2313



30.8640, 0.4068, 0.2760



30.8640, 0.4684, 0.3327

Triad

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



30.8640, 0.4068, 0.2760



30.8640, 0.3687, 0.4860



30.8640, 0.1693, 0.2325

Complementary

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



30.8640, 0.4068, 0.2760



65.6469, 0.2670, 0.3931

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.



30.8640, 0.1779, 0.2942



30.8640, 0.4068, 0.2760



30.8640, 0.2882, 0.4648

Square

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



30.8640, 0.4068, 0.2760



30.8640, 0.4387, 0.4517



30.8640, 0.2187, 0.3848



30.8640, 0.1907, 0.2050

Rectangle

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



30.8640, 0.4068, 0.2760



30.8640, 0.4811, 0.3733



30.8640, 0.2187, 0.3848



30.8640, 0.1687, 0.2491

Sweetspot

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



30.8656, 0.4068, 0.2760



75.1607, 0.3319, 0.3134



27.0679, 0.2707, 0.1827



15.4887, 0.3348, 0.3113



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.



30.8656, 0.4068, 0.2760



31.2297, 0.4379, 0.2685



32.3937, 0.4618, 0.3431



15.1499, 0.3233, 0.3200



10.2665, 0.5439, 0.2770



0.8245, 0.5065, 0.2564

Inverse Universe

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



30.8656, 0.4068, 0.2760



31.2297, 0.4379, 0.2685



61.1743, 0.2412, 0.3129



15.1499, 0.3233, 0.3200



10.2665, 0.5439, 0.2770



0.8245, 0.5065, 0.2564

Previews

White Background



This preview shows how the Yxy color 30.8640, 0.4068, 0.2760 looks on a white background.

Color Contrast Check

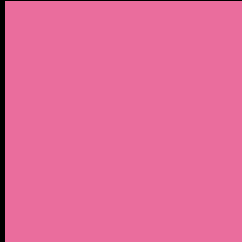
Large Text (above 18pt) WCAG AA × Fail

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 30.8640, 0.4068, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

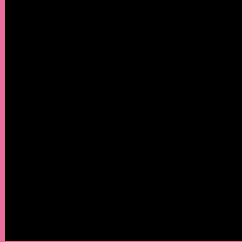
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8640, 0.4068, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 30.8640, 0.4068, 0.2760.



This preview shows how white text looks on a background with the Yxy color 30.8640, 0.4068, 0.2760.

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

30.8640, 0.4068, 0.2760

Protanopia

31.1609, 0.2781, 0.2800

Deuteranopia

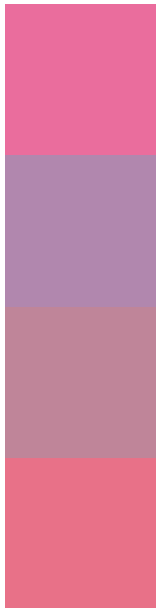
30.8991, 0.3288, 0.3216



Tritanopia

30.9349, 0.4437, 0.3204

Trichromacy



Original Color

30.8640, 0.4068, 0.2760

Protanomaly

29.7310, 0.3184, 0.2749

Deuteranomaly

30.1513, 0.3568, 0.3020

Tritanomaly

30.7436, 0.4307, 0.3035

Monochromacy



Original Color

30.8640, 0.4068, 0.2760

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

29.8865, 0.3449, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8640, 0.4068, 0.2760 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(234, 109, 157)` looks like.

```
.text, #text, p{  
    color:rgb(234, 109, 157)  
}
```

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(234, 109, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 109, 157) }
```

Border

The CSS property to change the border of an element to Yxy 30.8640, 0.4068, 0.2760 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(234, 109, 157) }
```

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

```
.border{ border-color:rgb(234, 109, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 109, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 109, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 109, 157);  
box-shadow:4px 4px 4px 4px rgb(234, 109,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8640, 0.4068, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 109, 157) }
```

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

```
.background{ background-color: rgb(234,  
109, 157) }
```

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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