

Converting Colors

$Y_{xy}(33.7989, 0.4080, 0.2884)$

Have a look what the booklet for
Yxy(33.7989, 0.4080, 0.2884)
contains.

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Color

Yxy(33.7711, 0.4088, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	EE779C
RGB	238, 119, 156
RGB Percent	93%, 47%, 61%
CMY	0.0667, 0.5333, 0.3884
CMYK	0.00, 0.50, 0.34, 0.07
HSL	341°, 78%, 70%
HSV	341°, 50%, 93%
XYZ	47.8531, 33.7711, 35.4333
YIQ	158.7990, 59.0470, 36.7350

Conversions

Conversions Part 2

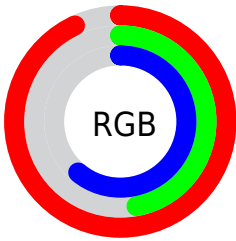
Format	Color
R _Y B	238, 119, 156
Decimal	15628188
CIE Lab	64.78, 49.57, 1.71
CIE LCh	65, 49.603, 1.975
Yxy	33.7711, 0.4088, 0.2885
Android (android.graphics.Color)	4293818268 (0xFFEE779C)
YUV	158.7990, -1.3799, 69.4593
Hunter-Lab	58.1129, 45.2884, 4.5280

Details

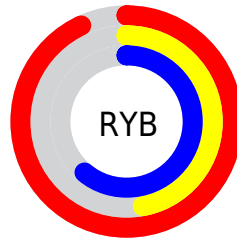
The Yxy color **33.7711, 0.4088, 0.2885** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **69.2868, 0.2647, 0.3763**, and the grayscale version is **34.5620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1852, 0.3534, 0.2920**, and **14.3842, 0.4400, 0.2748** is the 20% darker color. If you saturate the color by 10%, you get **28.2801, 0.4401, 0.2824**, and if you desaturate by 10%, it is **40.7588, 0.3818, 0.2962**.

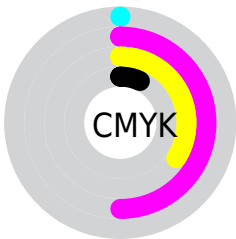
Distribution



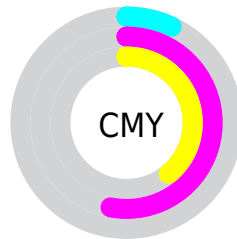
- Red (93%)
- Green (47%)
- Blue (61%)



- Red (93%)
- Yellow (47%)
- Blue (61%)



- Cyan (0%)
- Magenta (50%)
- Yellow (34%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7711, 0.4088, 0.2885 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 33.7711, 0.4088, 0.2885 by changing the saturation by 10% instead.


 33.7711, 0.4088,
0.2885

 33.7711, 0.4088,
0.2885


319.1102, 0.3583,
0.3100


 22.7178, 0.4222,
0.2827


 65.5776, 0.3899,
0.2966

 14.3853, 0.4398,
0.2751


 87.0995, 0.3829,
0.2996

 8.3891, 0.4639,
0.2646


 112.8798, 0.3771,
0.3020

 4.3449, 0.4989,
0.2491

143.3028, 0.3722,
0.3041

 1.8683, 0.5535,
0.2247

178.7530, 0.3680,
0.3059

 0.5292, 0.6751,
0.1744

219.6147, 0.3643,


 0.0000, 1.0000,


0.3075


0.0000

266.2723, 0.3611,
0.3088

 0.0000, 0.0000,
0.0000


 33.7711, 0.4088,
0.2885


 33.7711, 0.4088,
0.2885


 28.2801, 0.4401,
0.2824


 40.7588, 0.3818,
0.2962


 24.1696, 0.4750,
0.2792


 49.3375, 0.3591,
0.3046

 21.3148, 0.5113,
0.2799


 59.5999, 0.3404,
0.3131


 19.5656, 0.5461,
0.2854


 71.6301, 0.3251,
0.3213

 18.6696, 0.5764,
0.2949

 85.5064, 0.3127,
0.3290

 18.6690, 0.5764,
0.2949

 96.8782, 0.3027,
0.3295

 96.9158, 0.3023,
0.3290

Harmonies

Analogous

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



33.7711, 0.3317, 0.2446



33.7711, 0.4088, 0.2885



33.7711, 0.4583, 0.3425

Triad

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



33.7711, 0.4088, 0.2885



33.7711, 0.3541, 0.4714



33.7711, 0.1819, 0.2356

Complementary

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



33.7711, 0.4088, 0.2885



69.2868, 0.2647, 0.3763

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.



33.7711, 0.1859, 0.2878



33.7711, 0.4088, 0.2885



33.7711, 0.2806, 0.4418

Square

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



33.7711, 0.4088, 0.2885



33.7711, 0.4205, 0.4489



33.7711, 0.2197, 0.3664



33.7711, 0.2061, 0.2137

Rectangle

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



33.7711, 0.4088, 0.2885



33.7711, 0.4654, 0.3804



33.7711, 0.2197, 0.3664



33.7711, 0.1800, 0.2495

Sweetspot

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



33.7728, 0.4088, 0.2885



76.3933, 0.3325, 0.3172



31.6935, 0.2832, 0.1954



15.7249, 0.3358, 0.3154



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.



33.7728, 0.4088, 0.2885



32.9492, 0.4409, 0.2823



38.5077, 0.4414, 0.3534



15.8397, 0.3244, 0.3217



10.4366, 0.5724, 0.2927



0.8854, 0.5351, 0.2722

Inverse Universe

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



33.7728, 0.4088, 0.2885



32.9492, 0.4409, 0.2823



59.2999, 0.2421, 0.3014



15.8397, 0.3244, 0.3217



10.4366, 0.5724, 0.2927



0.8854, 0.5351, 0.2722

Previews

White Background



This preview shows how the Yxy color 33.7711, 0.4088, 0.2885 looks on a white background.

Color Contrast Check

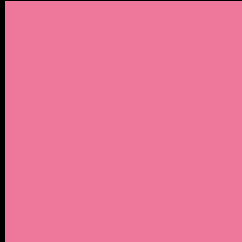
Large Text (above 18pt) WCAG AA × Fail

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 33.7711, 0.4088, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

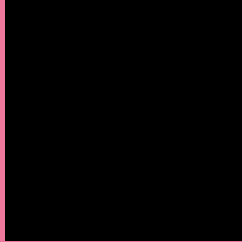
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7711, 0.4088, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 33.7711, 0.4088, 0.2885.



This preview shows how white text looks on a background with the Yxy color 33.7711, 0.4088, 0.2885.

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

33.7711, 0.4088, 0.2885

Protanopia

33.8613, 0.2916, 0.2970

Deuteranopia

33.7724, 0.3382, 0.3319



Tritanopia

33.6647, 0.4348, 0.3194

Trichromacy



Original Color

33.7711, 0.4088, 0.2885



Protanomaly

32.8615, 0.3300, 0.2925



Deuteranomaly

33.0289, 0.3636, 0.3133



Tritanomaly

33.8467, 0.4252, 0.3082

Monochromacy



Original Color

33.7711, 0.4088, 0.2885



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.1065, 0.3454, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7711, 0.4088, 0.2885 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(238, 119, 156)` looks like.

```
.text, #text, p{  
    color:rgb(238, 119, 156)  
}
```

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(238, 119, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 119, 156) }
```

Border

The CSS property to change the border of an element to Yxy 33.7711, 0.4088, 0.2885 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(238, 119, 156) }
```

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

```
.border{ border-color:rgb(238, 119, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 119, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 119, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 119, 156);  
box-shadow:4px 4px 4px 4px rgb(238, 119,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7711, 0.4088, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 119, 156) }
```

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

```
.background{ background-color: rgb(238,  
119, 156) }
```

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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