

Converting Colors

$Y_{xy}(33.5756, 0.4174, 0.2982)$

Have a look what the booklet for
Yxy(33.5756, 0.4174, 0.2982)
contains.

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Color

Yxy(33.5756, 0.4174, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	ED7894
RGB	237, 120, 148
RGB Percent	93%, 47%, 58%
CMY	0.0704, 0.5295, 0.4196
CMYK	0.00, 0.49, 0.38, 0.07
HSL	346°, 77%, 70%
HSV	346°, 49%, 93%
XYZ	46.9968, 33.5756, 32.0218
YIQ	158.1750, 60.7440, 33.5120

Conversions

Conversions Part 2

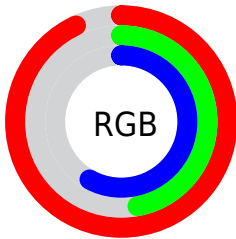
Format	Color
R _Y B	237, 120, 148
Decimal	15562900
CIE Lab	64.62, 47.86, 6.01
CIE LCh	65, 48.236, 7.152
Yxy	33.5756, 0.4174, 0.2982
Android (android.graphics.Color)	4293752980 (0xFFED7894)
YUV	158.1750, -5.0163, 69.1295
Hunter-Lab	57.9445, 43.3726, 7.7957

Details

The Yxy color **33.5756, 0.4174, 0.2982** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **69.1870, 0.2610, 0.3645**, and the grayscale version is **34.2771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1842, 0.3603, 0.3011**, and **14.3611, 0.4508, 0.2868** is the 20% darker color. If you saturate the color by 10%, you get **28.0383, 0.4523, 0.2937**, and if you desaturate by 10%, it is **40.6161, 0.3874, 0.3041**.

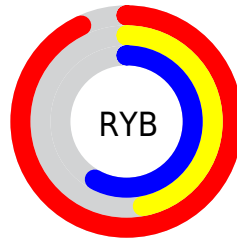
Distribution



Red (93%)

Green (47%)

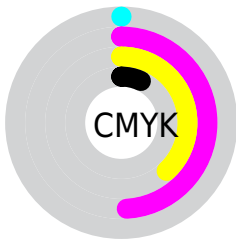
Blue (58%)



Red (93%)

Yellow (47%)

Blue (58%)

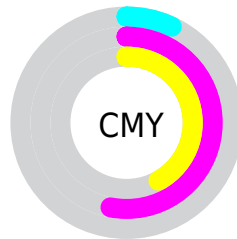


Cyan (0%)

Magenta (49%)

Yellow (38%)

Black (7%)



Cyan (7%)


Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5756, 0.4174, 0.2982 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 33.5756, 0.4174, 0.2982 by changing the saturation by 10% instead.

 33.5756, 0.4174,
0.2982


 33.5756, 0.4174,
0.2982


318.2355, 0.3620,
0.3153

 22.5678, 0.4321,
0.2934


 65.2731, 0.3966,
0.3048

 14.2747, 0.4516,
0.2869


 86.7316, 0.3890,
0.3072

 8.3120, 0.4783,
0.2776


 112.4425, 0.3826,
0.3091

 4.2952, 0.5172,
0.2636

142.7900, 0.3773,
0.3107

 1.8400, 0.5777,
0.2402

178.1587, 0.3726,
0.3121

 0.5119, 0.7496,
0.1973

218.9329, 0.3686,


 0.0000, 1.0000,


0.3133


0.0000


265.4971, 0.3651,
0.3144


 0.0000, 0.0000,
0.0000


 33.5756, 0.4174,
0.2982


 33.5756, 0.4174,
0.2982


 28.0383, 0.4523,
0.2937


 40.6161, 0.3874,
0.3041


 23.8888, 0.4910,
0.2917


 49.2538, 0.3625,
0.3106

 21.0035, 0.5309,
0.2931

 59.5809, 0.3420,
0.3171

 19.2338, 0.5679,
0.2985

 71.6811, 0.3254,
0.3234

 18.3471, 0.5982,
0.3073

 85.6327, 0.3120,
0.3294

■ 18.3043, 0.5998,
0.3078

■ 96.7514, 0.3018,
0.3290

Harmonies

Analogous

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



33.5756, 0.3449, 0.2529



33.5756, 0.4174, 0.2982



33.5756, 0.4585, 0.3521

Triad

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



33.5756, 0.4174, 0.2982



33.5756, 0.3411, 0.4666



33.5756, 0.1868, 0.2321

Complementary

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



33.5756, 0.4174, 0.2982



69.1870, 0.2610, 0.3645

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.



33.5756, 0.1860, 0.2781



33.5756, 0.4174, 0.2982



33.5756, 0.2699, 0.4281

Square

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



33.5756, 0.4174, 0.2982



33.5756, 0.4083, 0.4527



33.5756, 0.2142, 0.3514



33.5756, 0.2154, 0.2153

Rectangle

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



33.5756, 0.4174, 0.2982



33.5756, 0.4600, 0.3893



33.5756, 0.2142, 0.3514



33.5756, 0.1834, 0.2441

Sweetspot

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



33.5773, 0.4174, 0.2982



76.2428, 0.3344, 0.3199



32.9217, 0.2909, 0.1997



15.6890, 0.3380, 0.3185



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.



33.5773, 0.4174, 0.2982



33.1820, 0.4517, 0.2938



40.9390, 0.4341, 0.3619



15.1132, 0.3255, 0.3234



10.0068, 0.5959, 0.3057



0.8005, 0.5571, 0.2843

Inverse Universe

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



33.5773, 0.4174, 0.2982



33.1820, 0.4517, 0.2938



55.1101, 0.2409, 0.2915



15.1132, 0.3255, 0.3234



10.0068, 0.5959, 0.3057



0.8005, 0.5571, 0.2843

Previews

White Background



This preview shows how the Yxy color 33.5756, 0.4174, 0.2982 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 33.5756, 0.4174, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

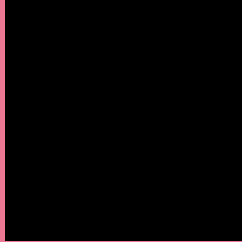
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5756, 0.4174, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 33.5756, 0.4174, 0.2982.



This preview shows how white text looks on a background with the Yxy color 33.5756, 0.4174, 0.2982.

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

33.5756, 0.4174, 0.2982

Protanopia

33.8096, 0.3021, 0.3099

Deuteranopia

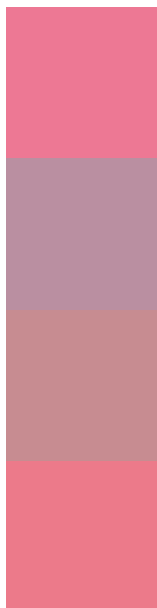
33.9046, 0.3484, 0.3419



Tritanopia

33.6647, 0.4348, 0.3194

Trichromacy



Original Color

33.5756, 0.4174, 0.2982

Protanomaly

32.6572, 0.3403, 0.3045

Deuteranomaly

32.9426, 0.3725, 0.3226

Tritanomaly

33.5869, 0.4279, 0.3115

Monochromacy



Original Color

33.5756, 0.4174, 0.2982

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.8444, 0.3486, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5756, 0.4174, 0.2982 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(237, 120, 148)` looks like.

```
.text, #text, p{  
    color:rgb(237, 120, 148)  
}
```

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(237, 120, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 120, 148) }
```

Border

The CSS property to change the border of an element to Yxy 33.5756, 0.4174, 0.2982 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(237, 120, 148) }
```

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

```
.border{ border-color:rgb(237, 120, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 120, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 120, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 120, 148);  
box-shadow:4px 4px 4px 4px rgb(237, 120,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5756, 0.4174, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 120, 148) }
```

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

```
.background{ background-color: rgb(237,  
120, 148) }
```

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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