

Converting Colors

Yxy(33.3808, 0.3648, 0.2504)

Have a look what the booklet for
Yxy(33.3808, 0.3648, 0.2504)
contains.

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Color

Yxy(33.2774, 0.3646, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	E874BC
RGB	232, 116, 188
RGB Percent	91%, 45%, 74%
CMY	0.0901, 0.5452, 0.2628
CMYK	0.00, 0.50, 0.19, 0.09
HSL	323°, 72%, 68%
HSV	323°, 50%, 91%
XYZ	48.6095, 33.2774, 51.4360
YIQ	158.8920, 46.0240, 46.9840

Conversions

Conversions Part 2

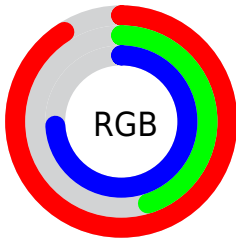
Format	Color
RYB	232, 116, 188
Decimal	15234236
CIELab	64.38, 53.36, -17.17
CIElCh	64, 56.058, 342.165
Yxy	33.2774, 0.3646, 0.2496
Android (android.graphics.Color)	4293424316 (0xFFE874BC)
YUV	158.8920, 14.3502, 64.1157
Hunter-Lab	57.6866, 49.4614, -12.4851

Details

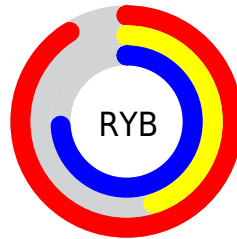
The Yxy color **33.2774, 0.3646, 0.2496** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **63.9843, 0.2832, 0.4272**, and the grayscale version is **34.5356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9175, 0.3252, 0.2566**, and **14.1932, 0.3789, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **28.2140, 0.3799, 0.2364**, and if you desaturate by 10%, it is **39.7028, 0.3509, 0.2649**.

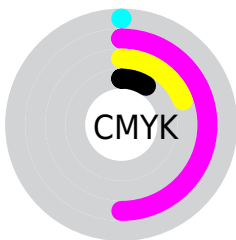
Distribution



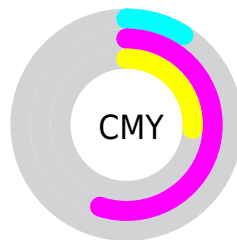
- Red (91%)
- Green (45%)
- Blue (74%)



- Red (91%)
- Yellow (45%)
- Blue (74%)



- Cyan (0%)
- Magenta (50%)
- Yellow (19%)
- Black (9%)



- Cyan (9%)
- Magenta (55%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2774, 0.3646, 0.2496 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 33.2774, 0.3646, 0.2496 by changing the saturation by 10% instead.


 33.2774, 0.3646,
0.2496


 33.2774, 0.3646,
0.2496


316.8979, 0.3386,
0.2887

 22.3390, 0.3711,
0.2401


 64.8084, 0.3552,
0.2636

 14.1062, 0.3793,
0.2281


 86.1698, 0.3516,
0.2689

 8.1946, 0.3903,
0.2124


 111.7743, 0.3486,
0.2735

 4.2197, 0.4054,
0.1912

142.0064, 0.3461,
0.2773

 1.7972, 0.4275,
0.1613

177.2504, 0.3438,
0.2807

 0.4854, 0.4681,
0.1061

217.8907, 0.3419,

 0.0000, 0.5762,

0.2837


0.0000


264.3117, 0.3402,
0.2863


 0.0000, 0.0000,
0.0000

 33.2774, 0.3646,
0.2496

 33.2774, 0.3646,
0.2496


 28.2140, 0.3799,
0.2364


 39.7028, 0.3509,
0.2649


 24.4060, 0.3964,
0.2263


 47.5767, 0.3390,
0.2811


 21.7387, 0.4137,
0.2206


 56.9841, 0.3287,
0.2975


 20.0739, 0.4310,
0.2200


 68.0020, 0.3200,
0.3136

 19.1751, 0.4479,
0.2241

 80.7021, 0.3127,
0.3290

 95.0225, 0.3066,
0.3432

 95.5610, 0.3017,
0.3343

 95.9019, 0.2988,
0.3290

Harmonies

Analogous

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



33.2774, 0.2764, 0.2134



33.2774, 0.3646, 0.2496



33.2774, 0.4461, 0.3021

Triad

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



33.2774, 0.3646, 0.2496



33.2774, 0.4084, 0.4768



33.2774, 0.1667, 0.2573

Complementary

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



33.2774, 0.3646, 0.2496



63.9843, 0.2832, 0.4272

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.



33.2774, 0.1917, 0.3380



33.2774, 0.3646, 0.2496



33.2774, 0.3289, 0.4885

Square

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



33.2774, 0.3646, 0.2496



33.2774, 0.4672, 0.4252



33.2774, 0.2494, 0.4333



33.2774, 0.1733, 0.2124

Rectangle

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



33.2774, 0.3646, 0.2496



33.2774, 0.4779, 0.3421



33.2774, 0.2494, 0.4333



33.2774, 0.1714, 0.2805

Sweetspot

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



33.2790, 0.3646, 0.2496



77.0771, 0.3242, 0.3056



25.6381, 0.2499, 0.1830



15.8891, 0.3261, 0.3021



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.



33.2790, 0.3646, 0.2496



34.7913, 0.3803, 0.2360



31.2994, 0.4352, 0.3119



14.5176, 0.3196, 0.3145



10.6668, 0.4453, 0.2227



0.8062, 0.4223, 0.2100

Inverse Universe

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



33.2790, 0.3646, 0.2496



34.7913, 0.3803, 0.2360



66.4326, 0.2547, 0.3486



14.5176, 0.3196, 0.3145



10.6668, 0.4453, 0.2227



0.8062, 0.4223, 0.2100

Previews

White Background



This preview shows how the Yxy color 33.2774, 0.3646, 0.2496 looks on a white background.

Color Contrast Check

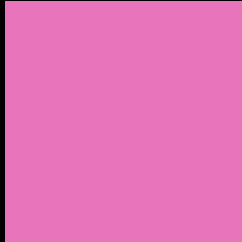
Large Text (above 18pt) WCAG AA × Fail

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 33.2774, 0.3646, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

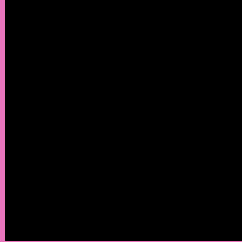
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2774, 0.3646, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 33.2774, 0.3646, 0.2496.



This preview shows how white text looks on a background with the Yxy color 33.2774, 0.3646, 0.2496.

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

33.2774, 0.3646, 0.2496

Protanopia

33.4723, 0.2504, 0.2434

Deuteranopia

33.6334, 0.2937, 0.2877



Tritanopia

33.2872, 0.4186, 0.3188

Trichromacy



Original Color

33.2774, 0.3646, 0.2496



Protanomaly

31.9831, 0.2841, 0.2421



Deuteranomaly

32.6560, 0.3175, 0.2708



Tritanomaly

33.1905, 0.3991, 0.2923

Monochromacy



Original Color

33.2774, 0.3646, 0.2496



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.9863, 0.3311, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2774, 0.3646, 0.2496 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(232, 116, 188)` looks like.

```
.text, #text, p{  
    color:rgb(232, 116, 188)  
}
```

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(232, 116, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 116, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.2774, 0.3646, 0.2496 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(232, 116, 188) }
```

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

```
.border{ border-color:rgb(232, 116, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 116, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 116, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 116, 188);  
box-shadow:4px 4px 4px 4px rgb(232, 116,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2774, 0.3646, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 116, 188) }
```

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

```
.background{ background-color: rgb(232,  
116, 188) }
```

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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