

Converting Colors

$Y_{xy}(33.7205, 0.4070, 0.2739)$

Have a look what the booklet for
Yxy(33.7205, 0.4070, 0.2739)
contains.

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Color

Yxy(33.7174, 0.4071, 0.2732)

Conversions

Conversions Part 1

Format	Color
Hex	F570A5
RGB	245, 112, 165
RGB Percent	96%, 44%, 65%
CMY	0.0392, 0.5608, 0.3529
CMYK	0.00, 0.54, 0.33, 0.04
HSL	336°, 87%, 70%
HSV	336°, 54%, 96%
XYZ	50.2429, 33.7174, 39.4563
YIQ	157.8090, 62.2550, 44.6790

Conversions

Conversions Part 2

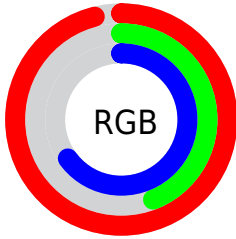
Format	Color
R _Y B	245, 112, 165
Decimal	16085157
CIE Lab	64.74, 56.27, -3.38
CIE LCh	65, 56.374, 356.558
Yxy	33.7174, 0.4071, 0.2732
Android (android.graphics.Color)	4294275237 (0xFFFF570A5)
YUV	157.8090, 3.5452, 76.4665
Hunter-Lab	58.0667, 52.8325, 0.3592

Details

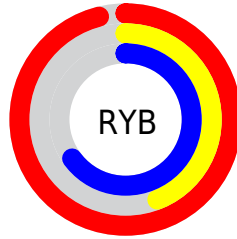
The Yxy color **33.7174, 0.4071, 0.2732** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **72.5589, 0.2674, 0.3971**, and the grayscale version is **34.0645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4326, 0.3456, 0.2760**, and **14.3349, 0.4370, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **28.5219, 0.4351, 0.2661**, and if you desaturate by 10%, it is **40.4487, 0.3824, 0.2826**.

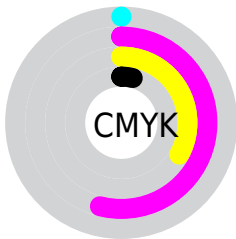
Distribution



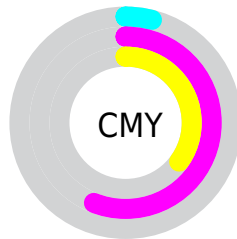
- Red (96%)
- Green (44%)
- Blue (65%)



- Red (96%)
- Yellow (44%)
- Blue (65%)



- Cyan (0%)
- Magenta (54%)
- Yellow (33%)
- Black (4%)





- Cyan (4%)
- Magenta (56%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7174, 0.4071, 0.2732 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 33.7174, 0.4071, 0.2732 by changing the saturation by 10% instead.


 33.7174, 0.4071,
0.2732

 33.7174, 0.4071,
0.2732


318.8701, 0.3579,
0.3019

 22.6766, 0.4200,
0.2658


 65.4940, 0.3888,
0.2838

 14.3549, 0.4368,
0.2563


 86.9985, 0.3820,
0.2877

 8.3679, 0.4597,
0.2433


 112.7597, 0.3764,
0.2910

 4.3313, 0.4926,
0.2251

143.1620, 0.3716,
0.2938

 1.8605, 0.5433,
0.1976

178.5898, 0.3675,
0.2963

 0.5245, 0.6382,
0.1424

219.4275, 0.3639,

 0.0000, 1.0000,

0.2984

0.0000

266.0595, 0.3607,
0.3002

■ 0.0000, 0.0000,
0.0000

■ 33.7174, 0.4071,
0.2732

■ 33.7174, 0.4071,
0.2732

■ 28.5219, 0.4351,
0.2661

■ 40.4487, 0.3824,
0.2826

■ 24.7327, 0.4657,
0.2627

■ 48.8212, 0.3613,
0.2931

■ 22.2071, 0.4970,
0.2640

■ 58.9371, 0.3437,
0.3039


■ 20.7690, 0.5269,
0.2707

■ 70.8886, 0.3291,
0.3146

■ 20.2880, 0.5428,
0.2764

■ 84.7614, 0.3172,
0.3248

 98.0524, 0.3075,
0.3305

 98.1533, 0.3066,
0.3290

Harmonies

Analogous

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



33.7174, 0.3172, 0.2282



33.7174, 0.4071, 0.2732



33.7174, 0.4716, 0.3306

Triad

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



33.7174, 0.4071, 0.2732



33.7174, 0.3717, 0.4900



33.7174, 0.1660, 0.2312

Complementary

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



33.7174, 0.4071, 0.2732



72.5589, 0.2674, 0.3971

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.



33.7174, 0.1754, 0.2951



33.7174, 0.4071, 0.2732



33.7174, 0.2893, 0.4705

Square

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



33.7174, 0.4071, 0.2732



33.7174, 0.4430, 0.4528



33.7174, 0.2178, 0.3889



33.7174, 0.1869, 0.2025

Rectangle

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



33.7174, 0.4071, 0.2732



33.7174, 0.4854, 0.3720



33.7174, 0.2178, 0.3889



33.7174, 0.1656, 0.2484

Sweetspot

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



33.7191, 0.4071, 0.2732



75.1933, 0.3315, 0.3128



29.3631, 0.2696, 0.1801



15.4964, 0.3344, 0.3106



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.



33.7191, 0.4071, 0.2732



30.8229, 0.4377, 0.2657



35.3276, 0.4660, 0.3433



16.5919, 0.3231, 0.3196



10.9546, 0.5386, 0.2741



0.9825, 0.5054, 0.2558

Inverse Universe

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



33.7191, 0.4071, 0.2732



30.8229, 0.4377, 0.2657



67.5849, 0.2402, 0.3126



16.5919, 0.3231, 0.3196



10.9546, 0.5386, 0.2741



0.9825, 0.5054, 0.2558

Previews

White Background



This preview shows how the Yxy color 33.7174, 0.4071, 0.2732 looks on a white background.

Color Contrast Check

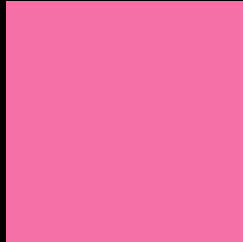
Large Text (above 18pt) WCAG AA × Fail

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 33.7174, 0.4071, 0.2732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

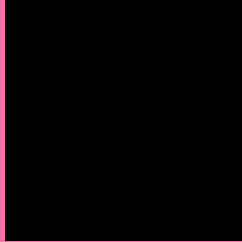
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7174, 0.4071, 0.2732

Background



This preview shows how black text looks on a background with the Yxy color 33.7174, 0.4071, 0.2732.



This preview shows how white text looks on a background with the Yxy color 33.7174, 0.4071, 0.2732.

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

33.7174, 0.4071, 0.2732

Protanopia

34.0168, 0.2753, 0.2762

Deuteranopia

33.7303, 0.3263, 0.3190



Tritanopia

33.6294, 0.4479, 0.3198

Trichromacy



Original Color

33.7174, 0.4071, 0.2732

Protanomaly

32.3654, 0.3164, 0.2717

Deuteranomaly

32.6066, 0.3555, 0.2978

Tritanomaly

33.4686, 0.4341, 0.3026

Monochromacy



Original Color

33.7174, 0.4071, 0.2732

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.5701, 0.3450, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7174, 0.4071, 0.2732 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(245, 112, 165)` looks like.

```
.text, #text, p{  
    color:rgb(245, 112, 165)  
}
```

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(245, 112, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 112, 165) }
```

Border

The CSS property to change the border of an element to Yxy 33.7174, 0.4071, 0.2732 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(245, 112, 165) }
```

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

```
.border{ border-color:rgb(245, 112, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 112, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 112, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 112, 165);  
box-shadow:4px 4px 4px 4px rgb(245, 112,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7174, 0.4071, 0.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 112, 165) }
```

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

```
.background{ background-color: rgb(245,  
112, 165) }
```

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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