

Converting Colors

$Yxy(33.6953, 0.3749, 0.2492)$

Have a look what the booklet for
Yxy(33.6953, 0.3749, 0.2492)
contains.

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Color

Yxy(33.7015, 0.3749, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	F070BB
RGB	240, 112, 187
RGB Percent	94%, 44%, 73%
CMY	0.0588, 0.5608, 0.2667
CMYK	0.00, 0.53, 0.22, 0.06
HSL	325°, 81%, 69%
HSV	325°, 53%, 94%
XYZ	50.7010, 33.7015, 50.8363
YIQ	158.8220, 52.2130, 50.4610

Conversions

Conversions Part 2

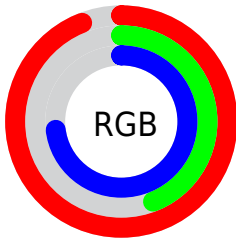
Format	Color
R _Y B	240, 112, 187
Decimal	15757499
CIE Lab	64.72, 57.55, -15.97
CIE LCh	65, 59.728, 344.487
Yxy	33.7015, 0.3749, 0.2492
Android (android.graphics.Color)	4293947579 (0xFFFF070BB)
YUV	158.8220, 13.8918, 71.1931
Hunter-Lab	58.0530, 54.3016, -11.2824

Details

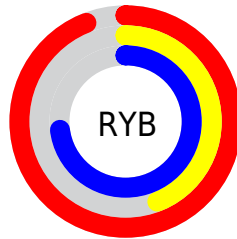
The Yxy color **33.7015, 0.3749, 0.2492** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **68.4913, 0.2797, 0.4291**, and the grayscale version is **34.5034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7363, 0.3262, 0.2546**, and **14.3733, 0.3922, 0.2275** is the 20% darker color. If you saturate the color by 10%, you get **28.6828, 0.3924, 0.2376**, and if you desaturate by 10%, it is **40.1642, 0.3592, 0.2632**.

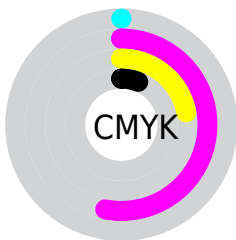
Distribution



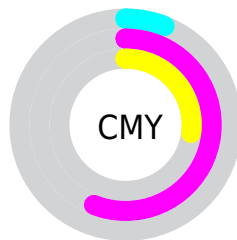
- Red (94%)
- Green (44%)
- Blue (73%)



- Red (94%)
- Yellow (44%)
- Blue (73%)



- Cyan (0%)
- Magenta (53%)
- Yellow (22%)
- Black (6%)





- Cyan (6%)
- Magenta (56%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7015, 0.3749, 0.2492 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 33.7015, 0.3749, 0.2492 by changing the saturation by 10% instead.


 33.7015, 0.3749,
0.2492


 33.7015, 0.3749,
0.2492


318.7990, 0.3436,
0.2884


 22.6644, 0.3827,
0.2397


 65.4692, 0.3635,
0.2633

 14.3459, 0.3928,
0.2277


 86.9686, 0.3592,
0.2686

 8.3616, 0.4062,
0.2120


 112.7242, 0.3556,
0.2731

 4.3272, 0.4247,
0.1909

143.1203, 0.3525,
0.2770

 1.8582, 0.4521,
0.1611

178.5415, 0.3498,
0.2804

 0.5231, 0.5005,
0.1087

219.3721, 0.3475,

 0.0000, 0.6386,

0.2834

0.0000

265.9965, 0.3454,
0.2861

0.0000, 0.0000,
0.0000

33.7015, 0.3749,
0.2492

33.7015, 0.3749,
0.2492

28.6828, 0.3924,
0.2376

40.1642, 0.3592,
0.2632

24.9878, 0.4113,
0.2296

48.1688, 0.3454,
0.2784

22.4847, 0.4308,
0.2264


57.8104, 0.3336,
0.2940

21.0114, 0.4502,
0.2284

69.1747, 0.3236,
0.3095

20.4386, 0.4627,
0.2323

82.3416, 0.3152,
0.3242

 96.7410, 0.3082,
0.3372

 97.2678, 0.3035,
0.3290

Harmonies

Analogous

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



33.7015, 0.2806, 0.2100



33.7015, 0.3749, 0.2492



33.7015, 0.4593, 0.3047

Triad

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



33.7015, 0.3749, 0.2492



33.7015, 0.4063, 0.4877



33.7015, 0.1590, 0.2476

Complementary

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



33.7015, 0.3749, 0.2492



68.4913, 0.2797, 0.4291

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.



33.7015, 0.1819, 0.3301



33.7015, 0.3749, 0.2492



33.7015, 0.3218, 0.4973

Square

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



33.7015, 0.3749, 0.2492



33.7015, 0.4714, 0.4334



33.7015, 0.2394, 0.4333



33.7015, 0.1684, 0.2041

Rectangle

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



33.7015, 0.3749, 0.2492



33.7015, 0.4898, 0.3465



33.7015, 0.2394, 0.4333



33.7015, 0.1629, 0.2708

Sweetspot

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



33.7032, 0.3749, 0.2492



75.6332, 0.3261, 0.3053



25.6886, 0.2481, 0.1738



15.6011, 0.3281, 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.



33.7032, 0.3749, 0.2492



32.4844, 0.3940, 0.2368



31.5916, 0.4540, 0.3157



15.9142, 0.3201, 0.3153



11.2140, 0.4598, 0.2307



0.9527, 0.4365, 0.2178

Inverse Universe

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



33.7032, 0.3749, 0.2492



32.4844, 0.3940, 0.2368



71.3314, 0.2500, 0.3447



15.9142, 0.3201, 0.3153



11.2140, 0.4598, 0.2307



0.9527, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 33.7015, 0.3749, 0.2492 looks on a white background.

Color Contrast Check

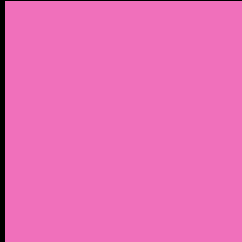
Large Text (above 18pt) WCAG AA × Fail

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 33.7015, 0.3749, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

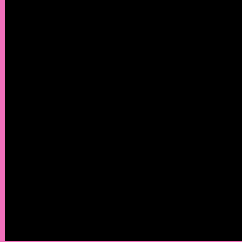
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7015, 0.3749, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 33.7015, 0.3749, 0.2492.

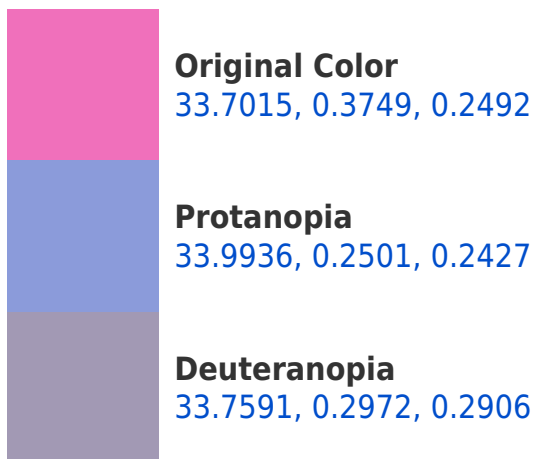


This preview shows how white text looks on a background with the Yxy color 33.7015, 0.3749, 0.2492.

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





Tritanopia

33.7709, 0.4321, 0.3193

Trichromacy



Original Color

33.7015, 0.3749, 0.2492



Protanomaly

32.2003, 0.2869, 0.2406



Deuteranomaly

32.5430, 0.3227, 0.2702



Tritanomaly

33.7374, 0.4111, 0.2927

Monochromacy



Original Color

33.7015, 0.3749, 0.2492



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.9019, 0.3343, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7015, 0.3749, 0.2492 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(240, 112, 187)` looks like.

```
.text, #text, p{  
    color:rgb(240, 112, 187)  
}
```

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(240, 112, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 112, 187) }
```

Border

The CSS property to change the border of an element to Yxy 33.7015, 0.3749, 0.2492 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(240, 112, 187) }
```

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

```
.border{ border-color:rgb(240, 112, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 112, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 112, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 112, 187);  
box-shadow:4px 4px 4px 4px rgb(240, 112,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7015, 0.3749, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 112, 187) }
```

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

```
.background{ background-color: rgb(240,  
112, 187) }
```

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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