

Converting Colors

$Y_{xy}(40.2410, 0.4152, 0.2575)$

Have a look what the booklet for
Yxy(40.2410, 0.4152, 0.2575)
contains.

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Color

Yxy(35.3632, 0.3913, 0.2495)

Conversions

Conversions Part 1

Format	Color
Hex	FF6BBB
RGB	255, 107, 187
RGB Percent	100%, 42%, 73%
CMY	0.0001, 0.5803, 0.2667
CMYK	0.00, 0.58, 0.27, 0.00
HSL	328°, 100%, 71%
HSV	328°, 58%, 100%
XYZ	55.4614, 35.3632, 50.9117
YIQ	160.3720, 62.5280, 56.2560

Conversions

Conversions Part 2

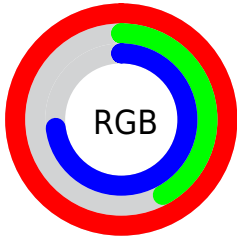
Format	Color
R _Y B	255, 107, 187
Decimal	16739259
CIE Lab	66.03, 64.24, -13.80
CIE LCh	66, 65.704, 347.875
Yxy	35.3632, 0.3913, 0.2495
Android (android.graphics.Color)	4294929339 (0xFFFF6BBB)
YUV	160.3720, 13.1276, 82.9888
Hunter-Lab	59.4670, 62.4094, -9.1333

Details

The Yxy color **35.3632, 0.3913, 0.2495** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.7313, 0.2750, 0.4312**, and the grayscale version is **35.2549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2820, 0.3265, 0.2507**, and **15.3564, 0.4139, 0.2284** is the 20% darker color. If you saturate the color by 10%, you get **30.3262, 0.4121, 0.2405**, and if you desaturate by 10%, it is **42.0118, 0.3724, 0.2615**.

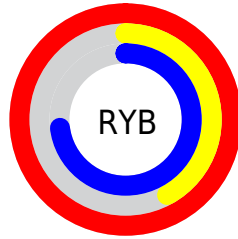
Distribution



Red (100%)

Green (42%)

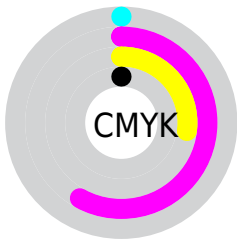
Blue (73%)



Red (100%)

Yellow (42%)

Blue (73%)

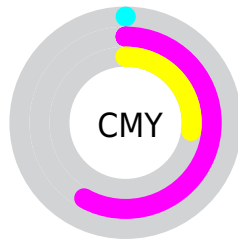


Cyan (0%)

Magenta (58%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3632, 0.3913, 0.2495 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 35.3632, 0.3913, 0.2495 by changing the saturation by 10% instead.

 35.3632, 0.3913,
0.2495


 35.3632, 0.3913,
0.2495


326.1686, 0.3517,
0.2884

 23.9428, 0.4012,
0.2401


 68.0480, 0.3769,
0.2634


 15.2912, 0.4140,
0.2283


 90.0813, 0.3715,
0.2687

 9.0240, 0.4309,
0.2129


 116.4209, 0.3669,
0.2732

 4.7568, 0.4544,
0.1923

 147.4513, 0.3630,
0.2771

 2.1053, 0.4889,
0.1635

183.5568, 0.3596,
0.2805

 0.6676, 0.5454,
0.1187

225.1220, 0.3566,

 0.0000, 0.7098,

0.2834

0.0000

272.5311, 0.3540,
0.2860

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.3632, 0.3913,
0.2495

■ 35.3632, 0.3913,
0.2495

■ 30.3262, 0.4121,
0.2405

■ 42.0118, 0.3724,
0.2615

■ 26.7522, 0.4343,
0.2356

■ 50.3925, 0.3558,
0.2752

■ 24.4740, 0.4567,
0.2360

■ 60.6205, 0.3416,
0.2897

■ 23.2629, 0.4784,
0.2418

■ 72.7994, 0.3296,
0.3042

 23.0860, 0.4826,
0.2432

 87.0252, 0.3195,
0.3183

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



35.3632, 0.2883, 0.2059



35.3632, 0.3913, 0.2495



35.3632, 0.4788, 0.3091

Triad

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



35.3632, 0.3913, 0.2495



35.3632, 0.4013, 0.5035



35.3632, 0.1488, 0.2334

Complementary

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



35.3632, 0.3913, 0.2495



77.7313, 0.2750, 0.4312

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.



35.3632, 0.1681, 0.3170



35.3632, 0.3913, 0.2495



35.3632, 0.3101, 0.5091

Square

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



35.3632, 0.3913, 0.2495



35.3632, 0.4753, 0.4458



35.3632, 0.2244, 0.4308



35.3632, 0.1625, 0.1926

Rectangle

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



35.3632, 0.3913, 0.2495



35.3632, 0.5063, 0.3533



35.3632, 0.2244, 0.4308



35.3632, 0.1513, 0.2563

Sweetspot

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



35.3650, 0.3913, 0.2495



74.1749, 0.3285, 0.3057



26.6933, 0.2466, 0.1618



15.3091, 0.3307, 0.3028



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.



35.3650, 0.3913, 0.2495



29.5142, 0.4164, 0.2391



33.0021, 0.4841, 0.3224



18.1513, 0.3209, 0.3162



12.0954, 0.4793, 0.2414



1.1998, 0.4562, 0.2287

Inverse Universe

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



35.3650, 0.3913, 0.2495



29.5142, 0.4164, 0.2391



81.3871, 0.2434, 0.3375



18.1513, 0.3209, 0.3162



12.0954, 0.4793, 0.2414



1.1998, 0.4562, 0.2287

Previews

White Background



This preview shows how the Yxy color 35.3632, 0.3913, 0.2495 looks on a white background.

Color Contrast Check

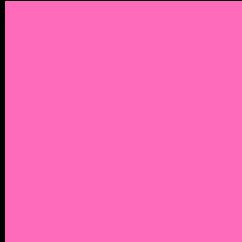
Large Text (above 18pt) WCAG AA × Fail

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 35.3632, 0.3913, 0.2495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

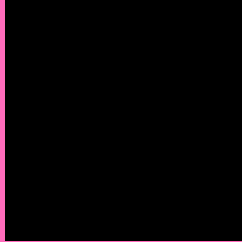
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3632, 0.3913, 0.2495

Background



This preview shows how black text looks on a background with the Yxy color 35.3632, 0.3913, 0.2495.



This preview shows how white text looks on a background with the Yxy color 35.3632, 0.3913, 0.2495.

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

35.3632, 0.3913, 0.2495

Protanopia

35.7867, 0.2492, 0.2430

Deuteranopia

35.3564, 0.3037, 0.2969



Tritanopia

35.3154, 0.4551, 0.3212

Trichromacy



Original Color

35.3632, 0.3913, 0.2495



Protanomaly

33.3544, 0.2901, 0.2401



Deuteranomaly

33.8337, 0.3340, 0.2733



Tritanomaly

35.1268, 0.4333, 0.2944

Monochromacy



Original Color

35.3632, 0.3913, 0.2495



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.5541, 0.3408, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3632, 0.3913, 0.2495 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(255, 107, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 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(255, 107, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 187) }
```

Border

The CSS property to change the border of an element to Yxy 35.3632, 0.3913, 0.2495 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(255, 107, 187) }
```

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

```
.border{ border-color:rgb(255, 107, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3632, 0.3913, 0.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 187) }
```

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

```
.background{ background-color: rgb(255,  
107, 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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