

Converting Colors

$Y_{xy}(41.6249, 0.4056, 0.2396)$

Have a look what the booklet for
Yxy(41.6249, 0.4056, 0.2396)
contains.

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Color

Yxy(34.5433, 0.3725, 0.2273)

Conversions

Conversions Part 1

Format	Color
Hex	FF63CC
RGB	255, 99, 204
RGB Percent	100%, 39%, 80%
CMY	0.0000, 0.6119, 0.1999
CMYK	0.00, 0.61, 0.20, 0.00
HSL	320°, 100%, 69%
HSV	320°, 61%, 100%
XYZ	56.6097, 34.5433, 60.8193
YIQ	157.6140, 59.2710, 65.7270

Conversions

Conversions Part 2

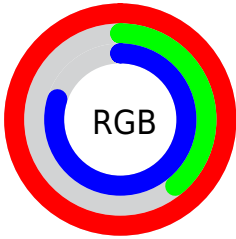
Format	Color
R _Y B	255, 99, 204
Decimal	16737228
CIE Lab	65.39, 69.86, -24.38
CIE LCh	65, 73.989, 340.760
Yxy	34.5433, 0.3725, 0.2273
Android (android.graphics.Color)	4294927308 (0xFFFF63CC)
YUV	157.6140, 22.8683, 85.4075
Hunter-Lab	58.7735, 69.0744, -20.2123

Details

The Yxy color **34.5433, 0.3725, 0.2273** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.3722, 0.2831, 0.4659**, and the grayscale version is **33.8766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **14.8918, 0.3876, 0.2021** is the 20% darker color. If you saturate the color by 10%, you get **30.0591, 0.3864, 0.2168**, and if you desaturate by 10%, it is **40.5663, 0.3594, 0.2412**.

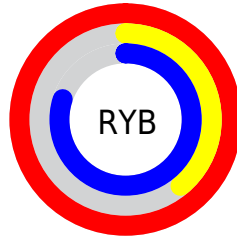
Distribution



Red (100%)

Green (39%)

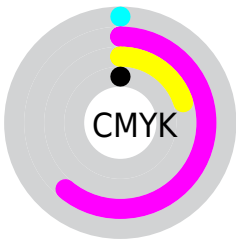
Blue (80%)



Red (100%)

Yellow (39%)

Blue (80%)

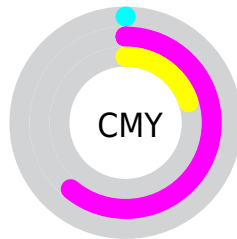


Cyan (0%)

Magenta (61%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (61%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5433, 0.3725, 0.2273 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 34.5433, 0.3725, 0.2273 by changing the saturation by 10% instead.


 34.5433, 0.3725,
0.2273


 34.5433, 0.3725,
0.2273


322.5479, 0.3436,
0.2757


 23.3113, 0.3794,
0.2161


 66.7777, 0.3622,
0.2443


 14.8235, 0.3880,
0.2021


 88.5488, 0.3583,
0.2508

 8.6956, 0.3990,
0.1845


 114.6018, 0.3550,
0.2564

 4.5432, 0.4137,
0.1615

 145.3210, 0.3521,
0.2613

 1.9818, 0.4339,
0.1310

181.0908, 0.3495,
0.2656

 0.5969, 0.4648,
0.0857

222.2956, 0.3473,

 0.0000, 0.5244,

0.2693

0.0000

269.3198, 0.3453,
0.2727

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5433, 0.3725,
0.2273

■ 34.5433, 0.3725,
0.2273

■ 30.0591, 0.3864,
0.2168

■ 40.5663, 0.3594,
0.2412

■ 26.9749, 0.4008,
0.2108


■ 48.2689, 0.3475,
0.2575


■ 25.1075, 0.4151,
0.2098

■ 57.7640, 0.3370,
0.2749

■ 24.2259, 0.4273,
0.2128

■ 69.1575, 0.3278,
0.2927

 82.5469, 0.3200,
0.3102

 98.0232, 0.3134,
0.3271

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.5433, 0.2600, 0.1858



34.5433, 0.3725, 0.2273



34.5433, 0.4819, 0.2882

Triad

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



34.5433, 0.3725, 0.2273



34.5433, 0.4289, 0.5090



34.5433, 0.1340, 0.2376

Complementary

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



34.5433, 0.3725, 0.2273



76.3722, 0.2831, 0.4659

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.



34.5433, 0.1624, 0.3429



34.5433, 0.3725, 0.2273



34.5433, 0.3302, 0.5419

Square

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



34.5433, 0.3725, 0.2273



34.5433, 0.5054, 0.4347



34.5433, 0.2322, 0.4756



34.5433, 0.1412, 0.1844

Rectangle

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



34.5433, 0.3725, 0.2273



34.5433, 0.5238, 0.3344



34.5433, 0.2322, 0.4756



34.5433, 0.1391, 0.2666

Sweetspot

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



34.5397, 0.3725, 0.2273



73.2013, 0.3252, 0.2983



22.4712, 0.2254, 0.1456



14.8757, 0.3276, 0.2932



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.



34.5397, 0.3725, 0.2273



29.4005, 0.3890, 0.2153



31.7269, 0.4717, 0.3019



18.1935, 0.3188, 0.3131



12.6872, 0.4251, 0.2116



1.2554, 0.4102, 0.2033

Inverse Universe

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



34.5397, 0.3725, 0.2273



29.4005, 0.3890, 0.2153



79.6841, 0.2496, 0.3637



18.1935, 0.3188, 0.3131



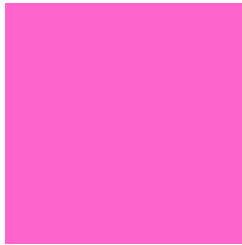
12.6872, 0.4251, 0.2116



1.2554, 0.4102, 0.2033

Previews

White Background



This preview shows how the Yxy color 34.5433, 0.3725, 0.2273 looks on a white background.

Color Contrast Check

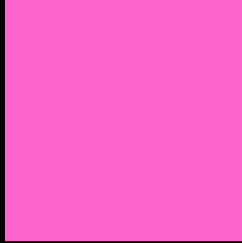
Large Text (above 18pt) WCAG AA × Fail

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 34.5433, 0.3725, 0.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

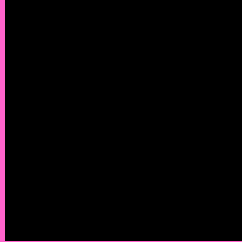
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5433, 0.3725, 0.2273

Background



This preview shows how black text looks on a background with the Yxy color 34.5433, 0.3725, 0.2273.



This preview shows how white text looks on a background with the Yxy color 34.5433, 0.3725, 0.2273.

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

34.5433, 0.3725, 0.2273

Protanopia

34.9142, 0.2249, 0.2106

Deuteranopia

34.7850, 0.2798, 0.2745



Tritanopia

34.4197, 0.4568, 0.3211

Trichromacy



Original Color

34.5433, 0.3725, 0.2273



Protanomaly

31.9248, 0.2638, 0.2093



Deuteranomaly

32.6116, 0.3104, 0.2493



Tritanomaly

34.2112, 0.4276, 0.2851

Monochromacy



Original Color

34.5433, 0.3725, 0.2273



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.3239, 0.3341, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5433, 0.3725, 0.2273 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, 99, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 204)  
}
```

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, 99, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 204) }
```

Border

The CSS property to change the border of an element to Yxy 34.5433, 0.3725, 0.2273 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, 99, 204) }
```

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

```
.border{ border-color:rgb(255, 99, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5433, 0.3725, 0.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 204) }
```

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

```
.background{ background-color: rgb(255, 99,  
204) }
```

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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