

Converting Colors

$Y_{xy}(42.6944, 0.4103, 0.2391)$

Have a look what the booklet for
Yxy(42.6944, 0.4103, 0.2391)
contains.

Yxy(34.0820, 0.3706, 0.2233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.0820, 0.3706, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	FF60CE
RGB	255, 96, 206
RGB Percent	100%, 38%, 81%
CMY	0.0000, 0.6235, 0.1922
CMYK	0.00, 0.62, 0.19, 0.00
HSL	318°, 100%, 69%
HSV	318°, 62%, 100%
XYZ	56.5642, 34.0820, 61.9825
YIQ	156.0810, 59.4540, 67.9180

Conversions

Conversions Part 2

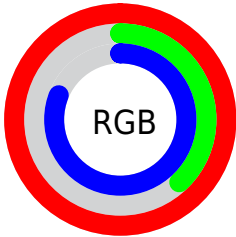
Format	Color
R _Y B	255, 96, 206
Decimal	16736462
CIE Lab	65.03, 71.31, -26.05
CIE LCh	65, 75.922, 339.932
Yxy	34.0820, 0.3706, 0.2233
Android (android.graphics.Color)	4294926542 (0xFFFF60CE)
YUV	156.0810, 24.6101, 86.7520
Hunter-Lab	58.3798, 70.7841, -22.0831

Details

The Yxy color **34.0820, 0.3706, 0.2233** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.0518, 0.2842, 0.4729**, and the grayscale version is **33.1521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9227, 0.3173, 0.2320**, and **14.5753, 0.3866, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **29.7869, 0.3837, 0.2129**, and if you desaturate by 10%, it is **39.9051, 0.3582, 0.2372**.

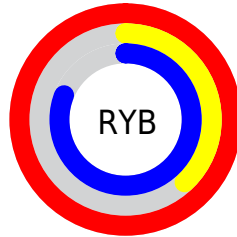
Distribution



Red (100%)

Green (38%)

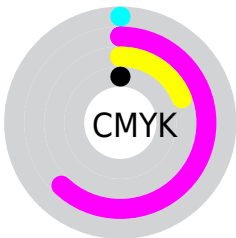
Blue (81%)



Red (100%)

Yellow (38%)

Blue (81%)

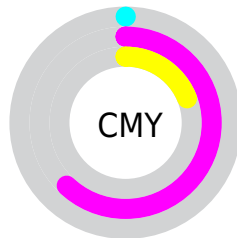


Cyan (0%)

Magenta (62%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0820, 0.3706, 0.2233 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 34.0820, 0.3706, 0.2233 by changing the saturation by 10% instead.


 34.0820, 0.3706,
0.2233


 34.0820, 0.3706,
0.2233

320.4975, 0.3428,
0.2734

 22.9566, 0.3771,
0.2117


 66.0612, 0.3608,
0.2408


 14.5615, 0.3853,
0.1974


 87.6837, 0.3570,
0.2476

 8.5122, 0.3957,
0.1793


 113.5741, 0.3538,
0.2534

 4.4244, 0.4094,
0.1559

 144.1168, 0.3510,
0.2585

 1.9137, 0.4279,
0.1249

179.6960, 0.3486,
0.2629

 0.5566, 0.4563,
0.0786

220.6963, 0.3464,

 0.0000, 0.5061,

0.2668

0.0000

267.5020, 0.3445,
0.2703

■ 0.0000, 0.9087,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0820, 0.3706,
0.2233

■ 34.0820, 0.3706,
0.2233

■ 29.7869, 0.3837,
0.2129

■ 39.9051, 0.3582,
0.2372

■ 26.8666, 0.3971,
0.2071


■ 47.3872, 0.3469,
0.2536


■ 25.1373, 0.4102,
0.2064

■ 56.6465, 0.3368,
0.2714

■ 24.4103, 0.4200,
0.2088

■ 67.7899, 0.3280,
0.2896

 80.9158, 0.3205,
0.3077

 96.1157, 0.3141,
0.3250

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.



34.0820, 0.2556, 0.1817



34.0820, 0.3706, 0.2233



34.0820, 0.4844, 0.2848

Triad

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



34.0820, 0.3706, 0.2233



34.0820, 0.4331, 0.5110



34.0820, 0.1303, 0.2369

Complementary

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



34.0820, 0.3706, 0.2233



76.0518, 0.2842, 0.4729

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.



34.0820, 0.1599, 0.3465



34.0820, 0.3706, 0.2233



34.0820, 0.3324, 0.5490

Square

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



34.0820, 0.3706, 0.2233



34.0820, 0.5112, 0.4334



34.0820, 0.2320, 0.4842



34.0820, 0.1368, 0.1816

Rectangle

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



34.0820, 0.3706, 0.2233



34.0820, 0.5288, 0.3315



34.0820, 0.2320, 0.4842



34.0820, 0.1357, 0.2670

Sweetspot

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



34.0823, 0.3706, 0.2233



71.9630, 0.3254, 0.2957



21.4892, 0.2214, 0.1412



14.6376, 0.3276, 0.2905



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.



34.0823, 0.3706, 0.2233



28.8863, 0.3872, 0.2109



31.1799, 0.4729, 0.2991



18.1994, 0.3186, 0.3127



12.7829, 0.4180, 0.2076



1.2642, 0.4042, 0.2000

Inverse Universe

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



34.0823, 0.3706, 0.2233



28.8863, 0.3872, 0.2109



79.3456, 0.2500, 0.3678



18.1994, 0.3186, 0.3127



12.7829, 0.4180, 0.2076



1.2642, 0.4042, 0.2000

Previews

White Background



This preview shows how the Yxy color 34.0820, 0.3706, 0.2233 looks on a white background.

Color Contrast Check

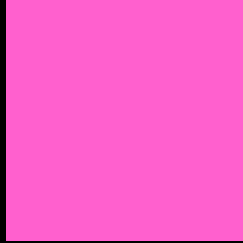
Large Text (above 18pt) WCAG AA × Fail

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 34.0820, 0.3706, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

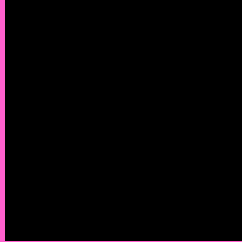
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0820, 0.3706, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 34.0820, 0.3706, 0.2233.

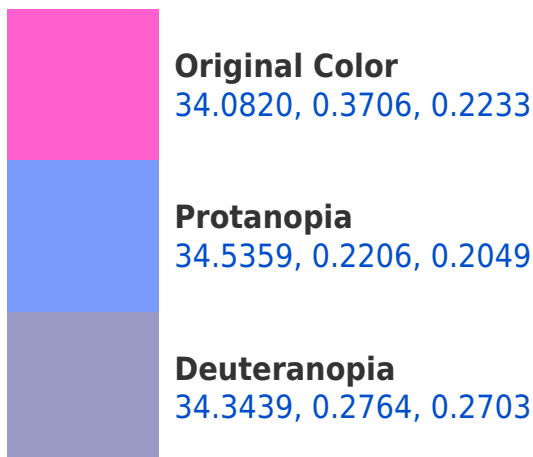


This preview shows how white text looks on a background with the Yxy color 34.0820, 0.3706, 0.2233.

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

33.9774, 0.4576, 0.3211

Trichromacy



Original Color

34.0820, 0.3706, 0.2233



Protanomaly

31.5944, 0.2599, 0.2048



Deuteranomaly

32.2967, 0.3075, 0.2456



Tritanomaly

33.5944, 0.4273, 0.2830

Monochromacy



Original Color

34.0820, 0.3706, 0.2233



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.3127, 0.3345, 0.2764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0820, 0.3706, 0.2233 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, 96, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 206)  
}
```

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, 96, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 206) }
```

Border

The CSS property to change the border of an element to Yxy 34.0820, 0.3706, 0.2233 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, 96, 206) }
```

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

```
.border{ border-color:rgb(255, 96, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0820, 0.3706, 0.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 206) }
```

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

```
.background{ background-color: rgb(255, 96,  
206) }
```

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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