

Converting Colors

$Y_{xy}(61.7580, 0.4806, 0.2706)$

Have a look what the booklet for
Yxy(61.7580, 0.4806, 0.2706)
contains.

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Color

Yxy(33.6596, 0.3860, 0.2356)

Conversions

Conversions Part 1

Format	Color
Hex	FF61C1
RGB	255, 97, 193
RGB Percent	100%, 38%, 76%
CMY	0.0000, 0.6197, 0.2430
CMYK	0.00, 0.62, 0.24, 0.00
HSL	324°, 100%, 69%
HSV	324°, 62%, 100%
XYZ	55.1469, 33.6596, 54.0611
YIQ	155.1860, 63.3520, 63.3520

Conversions

Conversions Part 2

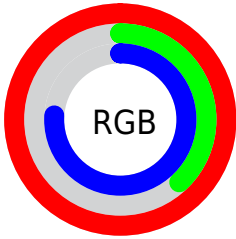
Format	Color
R _Y B	255, 97, 193
Decimal	16736705
CIE Lab	64.69, 69.22, -19.25
CIE LCh	65, 71.845, 344.461
Yxy	33.6596, 0.3860, 0.2356
Android (android.graphics.Color)	4294926785 (0xFFFF61C1)
YUV	155.1860, 18.6423, 87.5369
Hunter-Lab	58.0169, 68.1403, -14.6356

Details

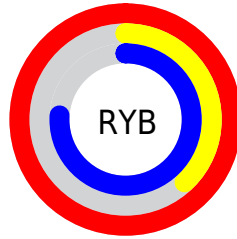
The Yxy color **33.6596, 0.3860, 0.2356** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.5623, 0.2784, 0.4541**, and the grayscale version is **32.7572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6048, 0.3213, 0.2362**, and **14.3947, 0.4077, 0.2124** is the 20% darker color. If you saturate the color by 10%, you get **29.2489, 0.4035, 0.2267**, and if you desaturate by 10%, it is **39.6122, 0.3697, 0.2480**.

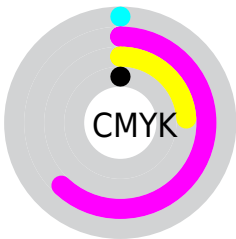
Distribution



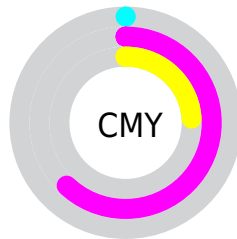
- Red (100%)
- Green (38%)
- Blue (76%)



- Red (100%)
- Yellow (38%)
- Blue (76%)



- Cyan (0%)
- Magenta (62%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6596, 0.3860, 0.2356 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 33.6596, 0.3860, 0.2356 by changing the saturation by 10% instead.


 33.6596, 0.3860,
0.2356


 33.6596, 0.3860,
0.2356


318.6115, 0.3495,
0.2808

 22.6322, 0.3950,
0.2249


 65.4040, 0.3728,
0.2516


 14.3222, 0.4065,
0.2115


 86.8897, 0.3678,
0.2578

 8.3451, 0.4215,
0.1942


 112.6304, 0.3636,
0.2630

 4.3165, 0.4421,
0.1715

 143.0105, 0.3600,
0.2675

 1.8522, 0.4718,
0.1404

178.4142, 0.3569,
0.2715

 0.5194, 0.5214,
0.0896

219.2260, 0.3541,

 0.0000, 0.6229,

0.2749

0.0000

265.8303, 0.3517,
0.2780

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

33.6596, 0.3860,
0.2356

33.6596, 0.3860,
0.2356

29.2489, 0.4035,
0.2267

39.6122, 0.3697,
0.2480

26.2313, 0.4218,
0.2223

47.2414, 0.3551,
0.2627


24.4231, 0.4399,
0.2233

56.6636, 0.3422,
0.2786

23.6265, 0.4540,
0.2275

67.9858, 0.3312,
0.2949

 81.3064, 0.3219,
0.3108

 96.7169, 0.3141,
0.3261

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.



33.6596, 0.2733, 0.1917



33.6596, 0.3860, 0.2356



33.6596, 0.4885, 0.2974

Triad

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



33.6596, 0.3860, 0.2356



33.6596, 0.4165, 0.5136



33.6596, 0.1358, 0.2305

Complementary

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



33.6596, 0.3860, 0.2356



76.5623, 0.2784, 0.4541

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.



33.6596, 0.1594, 0.3275



33.6596, 0.3860, 0.2356



33.6596, 0.3182, 0.5351

Square

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



33.6596, 0.3860, 0.2356



33.6596, 0.4953, 0.4434



33.6596, 0.2235, 0.4577



33.6596, 0.1468, 0.1832

Rectangle

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



33.6596, 0.3860, 0.2356



33.6596, 0.5236, 0.3437



33.6596, 0.2235, 0.4577



33.6596, 0.1395, 0.2569

Sweetspot

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



33.6586, 0.3860, 0.2356



71.7240, 0.3283, 0.2996



22.9913, 0.2322, 0.1469



14.5796, 0.3311, 0.2950



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.



33.6586, 0.3860, 0.2356



28.5277, 0.4072, 0.2254



31.0545, 0.4889, 0.3122



18.1726, 0.3199, 0.3146



12.3755, 0.4512, 0.2259



1.2265, 0.4323, 0.2155

Inverse Universe

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



33.6586, 0.3860, 0.2356



28.5277, 0.4072, 0.2254



80.1497, 0.2448, 0.3510



18.1726, 0.3199, 0.3146



12.3755, 0.4512, 0.2259



1.2265, 0.4323, 0.2155

Previews

White Background



This preview shows how the Yxy color 33.6596, 0.3860, 0.2356 looks on a white background.

Color Contrast Check

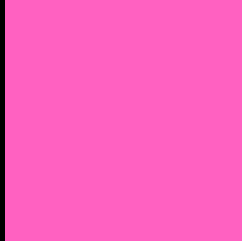
Large Text (above 18pt) WCAG AA × Fail

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 33.6596, 0.3860, 0.2356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

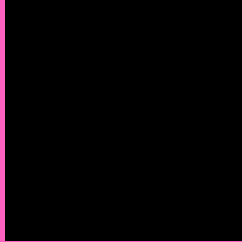
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6596, 0.3860, 0.2356

Background



This preview shows how black text looks on a background with the Yxy color 33.6596, 0.3860, 0.2356.



This preview shows how white text looks on a background with the Yxy color 33.6596, 0.3860, 0.2356.

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

33.6596, 0.3860, 0.2356

Protanopia

34.1867, 0.2342, 0.2228

Deuteranopia

33.6141, 0.2911, 0.2849



Tritanopia

33.5795, 0.4650, 0.3213

Trichromacy



Original Color

33.6596, 0.3860, 0.2356



Protanomaly

31.3315, 0.2752, 0.2204



Deuteranomaly

31.8322, 0.3233, 0.2598



Tritanomaly

33.3725, 0.4365, 0.2885

Monochromacy



Original Color

33.6596, 0.3860, 0.2356



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.9911, 0.3388, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6596, 0.3860, 0.2356 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, 97, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 193)  
}
```

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, 97, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 193) }
```

Border

The CSS property to change the border of an element to Yxy 33.6596, 0.3860, 0.2356 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, 97, 193) }
```

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

```
.border{ border-color:rgb(255, 97, 193) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6596, 0.3860, 0.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 193) }
```

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

```
.background{ background-color: rgb(255, 97,  
193) }
```

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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