

# Converting Colors

$Y_{xy}(33.5867, 0.4007, 0.2534)$

Have a look what the booklet for  
Yxy(33.5867, 0.4007, 0.2534)  
contains.

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# Color

**Yxy(33.6103, 0.4004, 0.2538)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FC67B2
RGB	252, 103, 178
RGB Percent	99%, 40%, 70%
CMY	0.0118, 0.5960, 0.3021
CMYK	0.00, 0.59, 0.29, 0.01
HSL	330°, 96%, 70%
HSV	330°, 59%, 99%
XYZ	53.0243, 33.6103, 45.7937
YIQ	156.1010, 64.7290, 54.9130

# Conversions

## Conversions Part 2

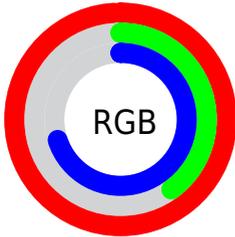
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 103, 178
Decimal	16541618
CIE <sub>Lab</sub>	64.65, 63.97, -10.79
CIE <sub>LCh</sub>	65, 64.872, 350.425
Yxy	33.6103, 0.4004, 0.2538
Android (android.graphics.Color)	4294731698 (0xFFFC67B2)
YUV	156.1010, 10.7962, 84.1034
Hunter-Lab	57.9744, 61.8037, -6.2508

# Details

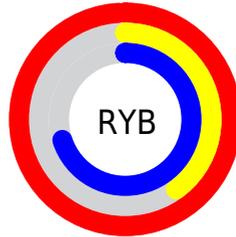
The Yxy color **33.6103, 0.4004, 0.2538** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **75.6734, 0.2721, 0.4259**, and the grayscale version is **33.2259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3421, 0.3344, 0.2549**, and **14.3431, 0.4278, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **28.8503, 0.4236, 0.2460**, and if you desaturate by 10%, it is **39.9296, 0.3794, 0.2647**.

# Distribution



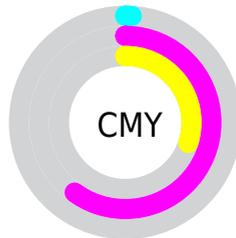
- Red (99%)
- Green (40%)
- Blue (70%)



- Red (99%)
- Yellow (40%)
- Blue (70%)



- Cyan (0%)
- Magenta (59%)
- Yellow (29%)
- Black (1%)



- Cyan (1%)
- Magenta (60%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6103, 0.4004, 0.2538 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 33.6103, 0.4004, 0.2538 by changing the saturation by 10% instead.

 33.6103, 0.4004,  
0.2538

 33.6103, 0.4004,  
0.2538

318.3909, 0.3555,  
0.2912

 22.5944, 0.4119,  
0.2446

 65.3272, 0.3839,  
0.2673

 14.2943, 0.4268,  
0.2328

 86.7970, 0.3777,  
0.2724

 8.3256, 0.4468,  
0.2174

 112.5201, 0.3725,  
0.2768

 4.3040, 0.4749,  
0.1964

 142.8811, 0.3681,  
0.2805

 1.8450, 0.5171,  
0.1664

178.2643, 0.3643,  
0.2837

 0.5150, 0.5922,  
0.1120

219.0540, 0.3610,

 0.0000, 0.9019,

0.2865

0.0000

265.6348, 0.3581,  
0.2890

 0.0000, 0.0000,  
0.0000

 33.6103, 0.4004,  
0.2538

 33.6103, 0.4004,  
0.2538

 28.8503, 0.4236,  
0.2460

 39.9296, 0.3794,  
0.2647

 25.5029, 0.4482,  
0.2425

 47.9272, 0.3611,  
0.2774

 23.4019, 0.4729,  
0.2443

 57.7164, 0.3453,  
0.2909

 22.2966, 0.4966,  
0.2513

 69.3989, 0.3321,  
0.3045

 22.2190, 0.4987,  
0.2521

 83.0690, 0.3211,  
0.3176

98.8144, 0.3120,  
0.3301

99.4328, 0.3109,  
0.3290

# Harmonies

## Analogous

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



33.6103, 0.2964, 0.2084



33.6103, 0.4004, 0.2538



33.6103, 0.4847, 0.3144

# Triad

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



33.6103, 0.4004, 0.2538



33.6103, 0.3941, 0.5074



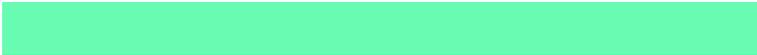
33.6103, 0.1482, 0.2280

# Complementary

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



33.6103, 0.4004, 0.2538



75.6734, 0.2721, 0.4259

# 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.



33.6103, 0.1645, 0.3081



33.6103, 0.4004, 0.2538



33.6103, 0.3021, 0.5065

# Square

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



33.6103, 0.4004, 0.2538



33.6103, 0.4707, 0.4518



33.6103, 0.2178, 0.4218



33.6103, 0.1646, 0.1904

# Rectangle

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



33.6103, 0.4004, 0.2538



33.6103, 0.5083, 0.3590



33.6103, 0.2178, 0.4218



33.6103, 0.1498, 0.2496

# Sweetspot

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



33.6120, 0.4004, 0.2538



72.7471, 0.3308, 0.3059



25.8505, 0.2492, 0.1606



14.7646, 0.3343, 0.3020



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.



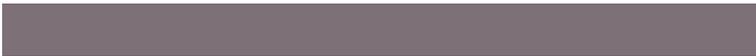
33.6120, 0.4004, 0.2538



28.8687, 0.4283, 0.2449



31.4295, 0.4952, 0.3272



17.3709, 0.3215, 0.3171



11.6054, 0.4949, 0.2500



1.0963, 0.4685, 0.2355



# Inverse Universe

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



33.6120, 0.4004, 0.2538



28.8687, 0.4283, 0.2449



79.3681, 0.2407, 0.3317



17.3709, 0.3215, 0.3171



11.6054, 0.4949, 0.2500



1.0963, 0.4685, 0.2355



# Previews

## White Background



This preview shows how the Yxy color 33.6103, 0.4004, 0.2538 looks on a white background.

## Color Contrast Check

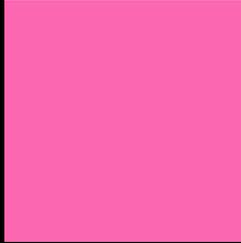
Large Text (above 18pt) WCAG AA × Fail

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 33.6103, 0.4004, 0.2538 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

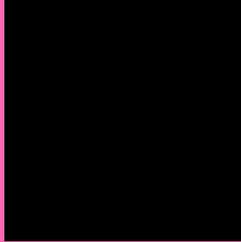
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.6103, 0.4004, 0.2538**

## Background



This preview shows how black text looks on a background with the Yxy color 33.6103, 0.4004, 0.2538.



This preview shows how white text looks on a background with the Yxy color 33.6103, 0.4004, 0.2538.

# 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

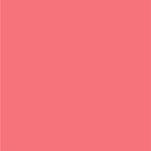
33.6103, 0.4004, 0.2538

### Protanopia

33.8732, 0.2533, 0.2475

### Deuteranopia

33.7917, 0.3099, 0.3047



## Tritanopia

33.4657, 0.4613, 0.3212

# Trichromacy



## Original Color

33.6103, 0.4004, 0.2538



## Protanomaly

31.6491, 0.2968, 0.2446



## Deuteranomaly

32.2154, 0.3408, 0.2798



## Tritanomaly

33.4918, 0.4398, 0.2963

# Monochromacy



## Original Color

33.6103, 0.4004, 0.2538



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

31.6480, 0.3436, 0.2929

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.6103, 0.4004, 0.2538 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(252, 103, 178)` looks like.

```
.text, #text, p{  
    color:rgb(252, 103, 178)  
}
```

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(252, 103, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 103, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 33.6103, 0.4004, 0.2538 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(252, 103, 178) }
```

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

```
.border{ border-color:rgb(252, 103, 178) }
```

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

Here you see how a box with a 4 pixel rgb(252, 103, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 103, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 103, 178);  
box-shadow:4px 4px 4px 4px rgb(252, 103,  
178) }
```

# Background

The CSS property to change the background color of an element to Yxy 33.6103, 0.4004, 0.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 103, 178) }
```

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

```
.background{ background-color: rgb(252,  
103, 178) }
```

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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