

Converting Colors

$Y_{xy}(33.3501, 0.4252, 0.2703)$

Have a look what the booklet for
Yxy(33.3501, 0.4252, 0.2703)
contains.

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Color

Yxy(33.3360, 0.4257, 0.2707)

Conversions

Conversions Part 1

Format	Color
Hex	FF66A1
RGB	255, 102, 161
RGB Percent	100%, 40%, 63%
CMY	0.0000, 0.6000, 0.3686
CMYK	0.00, 0.60, 0.37, 0.00
HSL	337°, 100%, 70%
HSV	337°, 60%, 100%
XYZ	52.4238, 33.3360, 37.3875
YIQ	154.4730, 72.2490, 50.7850

Conversions

Conversions Part 2

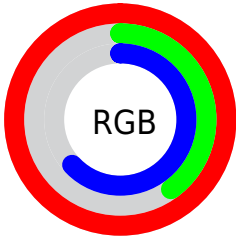
Format	Color
R _{YB}	255, 102, 161
Decimal	16737953
CIE Lab	64.43, 63.36, -1.37
CIE LCh	64, 63.372, 358.757
Yxy	33.3360, 0.4257, 0.2707
Android (android.graphics.Color)	4294928033 (0xFFFF66A1)
YUV	154.4730, 3.2178, 88.1622
Hunter-Lab	57.7373, 61.0325, 2.0232

Details

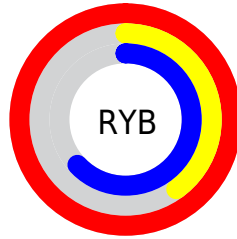
The Yxy color **33.3360, 0.4257, 0.2707** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.3310, 0.2637, 0.4034**, and the grayscale version is **32.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0141, 0.3505, 0.2708**, and **14.1127, 0.4607, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **28.5538, 0.4562, 0.2659**, and if you desaturate by 10%, it is **39.7318, 0.3982, 0.2786**.

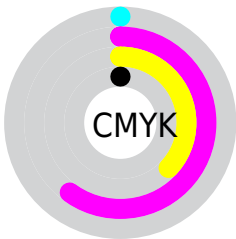
Distribution



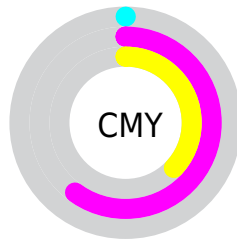
- Red (100%)
- Green (40%)
- Blue (63%)



- Red (100%)
- Yellow (40%)
- Blue (63%)



- Cyan (0%)
- Magenta (60%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3360, 0.4257, 0.2707 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 33.3360, 0.4257, 0.2707 by changing the saturation by 10% instead.


 33.3360, 0.4257,
0.2707


 33.3360, 0.4257,
0.2707


317.1611, 0.3667,
0.3010


 22.3840, 0.4411,
0.2628


 64.8998, 0.4037,
0.2819


 14.1393, 0.4613,
0.2526


 86.2803, 0.3956,
0.2861

 8.2176, 0.4888,
0.2387


 111.9057, 0.3888,
0.2896

 4.2345, 0.5279,
0.2191

 142.1605, 0.3830,
0.2925

 1.8056, 0.5875,
0.1895

177.4291, 0.3781,
0.2951

 0.4907, 0.7020,
0.1305

218.0957, 0.3738,

 0.0000, 1.0000,

0.2973

0.0000

264.5449, 0.3700,
0.2993

0.0000, 0.0000,
0.0000

33.3360, 0.4257,
0.2707

33.3360, 0.4257,
0.2707

28.5538, 0.4562,
0.2659

39.7318, 0.3982,
0.2786

25.2310, 0.4883,
0.2654

47.8663, 0.3744,
0.2882

23.1918, 0.5198,
0.2701

57.8583, 0.3543,
0.2987

22.1480, 0.5485,
0.2795

69.8144, 0.3377,
0.3092

22.1477, 0.5486,
0.2796

83.8332, 0.3239,
0.3194

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



33.3360, 0.3243, 0.2207



33.3360, 0.4257, 0.2707



33.3360, 0.4946, 0.3332

Triad

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



33.3360, 0.4257, 0.2707



33.3360, 0.3688, 0.5114



33.3360, 0.1521, 0.2158

Complementary

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



33.3360, 0.4257, 0.2707



78.3310, 0.2637, 0.4034

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.



33.3360, 0.1590, 0.2825



33.3360, 0.4257, 0.2707



33.3360, 0.2779, 0.4867

Square

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



33.3360, 0.4257, 0.2707



33.3360, 0.4502, 0.4681



33.3360, 0.2014, 0.3883



33.3360, 0.1770, 0.1885

Rectangle

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



33.3360, 0.4257, 0.2707



33.3360, 0.5055, 0.3781



33.3360, 0.2014, 0.3883



33.3360, 0.1508, 0.2332

Sweetspot

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



33.3378, 0.4257, 0.2707



72.4449, 0.3347, 0.3113



28.1682, 0.2634, 0.1649



14.6913, 0.3391, 0.3082



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.



33.3378, 0.4257, 0.2707



27.7762, 0.4626, 0.2654



35.0142, 0.4918, 0.3441



18.1030, 0.3233, 0.3199



11.5997, 0.5443, 0.2772



1.1500, 0.5137, 0.2603

Inverse Universe

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



33.3378, 0.4257, 0.2707



27.7762, 0.4626, 0.2654



72.1892, 0.2349, 0.3106



18.1030, 0.3233, 0.3199



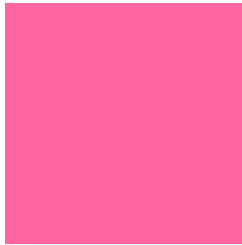
11.5997, 0.5443, 0.2772



1.1500, 0.5137, 0.2603

Previews

White Background



This preview shows how the Yxy color 33.3360, 0.4257, 0.2707 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 33.3360, 0.4257, 0.2707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

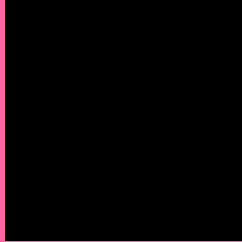
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3360, 0.4257, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 33.3360, 0.4257, 0.2707.



This preview shows how white text looks on a background with the Yxy color 33.3360, 0.4257, 0.2707.

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

33.3360, 0.4257, 0.2707

Protanopia

33.5408, 0.2728, 0.2732

Deuteranopia

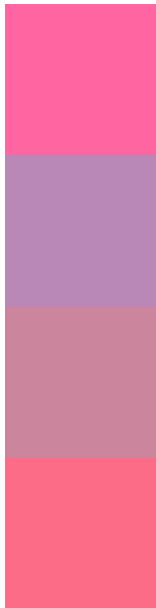
33.3174, 0.3334, 0.3262



Tritanopia

33.3723, 0.4746, 0.3225

Trichromacy



Original Color

33.3360, 0.4257, 0.2707

Protanomaly

31.4248, 0.3198, 0.2680

Deuteranomaly

31.8719, 0.3666, 0.2994

Tritanomaly

33.3290, 0.4568, 0.3034

Monochromacy



Original Color

33.3360, 0.4257, 0.2707

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.8386, 0.3518, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3360, 0.4257, 0.2707 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, 102, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 161)  
}
```

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, 102, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 161) }
```

Border

The CSS property to change the border of an element to Yxy 33.3360, 0.4257, 0.2707 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, 102, 161) }
```

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

```
.border{ border-color:rgb(255, 102, 161) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3360, 0.4257, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 161) }
```

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

```
.background{ background-color: rgb(255,  
102, 161) }
```

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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