

Converting Colors

$Y_{xy}(33.3094, 0.4267, 0.2715)$

Have a look what the booklet for
Yxy(33.3094, 0.4267, 0.2715)
contains.

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Color

Yxy(33.3008, 0.4270, 0.2717)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF66A0 |
| RGB | 255, 102, 160 |
| RGB Percent | 100%, 40%, 63% |
| CMY | 0.0000, 0.5999, 0.3725 |
| CMYK | 0.00, 0.60, 0.37, 0.00 |
| HSL | 337°, 100%, 70% |
| HSV | 337°, 60%, 100% |
| XYZ | 52.3351, 33.3008, 36.9287 |
| YIQ | 154.3590, 72.5700, 50.4740 |

Conversions

Conversions Part 2

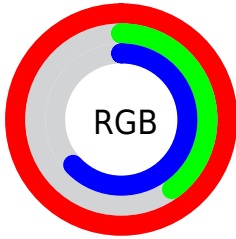
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 255, 102, 160 |
| Decimal | 16737952 |
| CIE Lab | 64.40, 63.25, -0.85 |
| CIE LCh | 64, 63.253, 359.231 |
| Yxy | 33.3008, 0.4270, 0.2717 |
| Android (android.graphics.Color) | 4294928032 (0xFFFF66A0) |
| YUV | 154.3590, 2.7810, 88.2622 |
| Hunter-Lab | 57.7068, 60.8970, 2.4530 |

Details

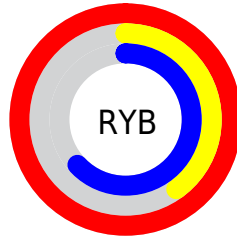
The Yxy color **33.3008, 0.4270, 0.2717** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.3730, 0.2632, 0.4020**, and the grayscale version is **32.4469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9626, 0.3515, 0.2718**, and **14.1593, 0.4624, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **28.5178, 0.4579, 0.2670**, and if you desaturate by 10%, it is **39.6987, 0.3992, 0.2794**.

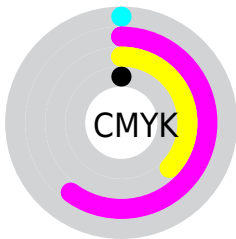
Distribution



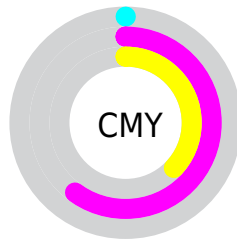
- Red (100%)
- Green (40%)
- Blue (63%)



- 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 33.3008, 0.4270, 0.2717 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 33.3008, 0.4270, 0.2717 by changing the saturation by 10% instead.


 33.3008, 0.4270,
0.2717


 33.3008, 0.4270,
0.2717


317.0030, 0.3672,
0.3016


 22.3570, 0.4427,
0.2639


 64.8449, 0.4047,
0.2828


 14.1194, 0.4631,
0.2538


 86.2139, 0.3965,
0.2869

 8.2038, 0.4910,
0.2400


 111.8268, 0.3896,
0.2903

 4.2256, 0.5307,
0.2204

 142.0679, 0.3838,
0.2933

 1.8006, 0.5911,
0.1908

177.3217, 0.3788,
0.2958

 0.4875, 0.7092,
0.1316

217.9726, 0.3744,

 0.0000, 1.0000,

0.2980

0.0000

264.4049, 0.3706,
0.2999

■ 0.0000, 0.0000,
0.0000

■ 33.3008, 0.4270,
0.2717

■ 33.3008, 0.4270,
0.2717

■ 28.5178, 0.4579,
0.2670

■ 39.6987, 0.3992,
0.2794

■ 25.1952, 0.4904,
0.2666

■ 47.8367, 0.3751,
0.2889

■ 23.1575, 0.5222,
0.2715

■ 57.8335, 0.3548,
0.2992

■ 22.1161, 0.5512,
0.2810

■ 69.7960, 0.3379,
0.3095

■ 22.1156, 0.5512,
0.2810

■ 83.8228, 0.3240,
0.3195

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



33.3008, 0.3259, 0.2215



33.3008, 0.4270, 0.2717



33.3008, 0.4949, 0.3342

Triad

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



33.3008, 0.4270, 0.2717



33.3008, 0.3673, 0.5113



33.3008, 0.1525, 0.2153

Complementary

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



33.3008, 0.4270, 0.2717



78.3730, 0.2632, 0.4020

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.



33.3008, 0.1588, 0.2812



33.3008, 0.4270, 0.2717



33.3008, 0.2766, 0.4854

Square

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



33.3008, 0.4270, 0.2717



33.3008, 0.4490, 0.4689



33.3008, 0.2006, 0.3864



33.3008, 0.1778, 0.1885

Rectangle

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



33.3008, 0.4270, 0.2717



33.3008, 0.5052, 0.3791



33.3008, 0.2006, 0.3864



33.3008, 0.1510, 0.2324

Sweetspot

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



33.3026, 0.4270, 0.2717



72.4285, 0.3349, 0.3116



28.5081, 0.2657, 0.1659



14.6873, 0.3393, 0.3086



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.



33.3026, 0.4270, 0.2717



27.7405, 0.4644, 0.2666



35.6181, 0.4899, 0.3466



18.1010, 0.3234, 0.3200



11.5832, 0.5469, 0.2786



1.1483, 0.5161, 0.2617

Inverse Universe

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



33.3026, 0.4270, 0.2717



27.7405, 0.4644, 0.2666



70.6982, 0.2342, 0.3074



18.1010, 0.3234, 0.3200



11.5832, 0.5469, 0.2786



1.1483, 0.5161, 0.2617

Previews

White Background



This preview shows how the Yxy color 33.3008, 0.4270, 0.2717 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 33.3008, 0.4270, 0.2717 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 33.3008, 0.4270, 0.2717

Background



This preview shows how black text looks on a background with the Yxy color 33.3008, 0.4270, 0.2717.



This preview shows how white text looks on a background with the Yxy color 33.3008, 0.4270, 0.2717.

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

33.3008, 0.4270, 0.2717

Protanopia

33.5888, 0.2744, 0.2746

Deuteranopia

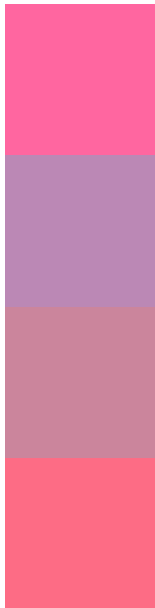
33.3174, 0.3334, 0.3262



Tritanopia

33.3723, 0.4746, 0.3225

Trichromacy



Original Color

33.3008, 0.4270, 0.2717

Protanomaly

31.5093, 0.3218, 0.2694

Deuteranomaly

31.8719, 0.3666, 0.2994

Tritanomaly

33.3012, 0.4581, 0.3044

Monochromacy



Original Color

33.3008, 0.4270, 0.2717

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.8046, 0.3529, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3008, 0.4270, 0.2717 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 160) }
```

Border

The CSS property to change the border of an element to Yxy 33.3008, 0.4270, 0.2717 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, 160) }
```

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

```
.border{ border-color:rgb(255, 102, 160) }
```

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, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3008, 0.4270, 0.2717 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, 160) }
```

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

```
.background{ background-color: rgb(255,  
102, 160) }
```

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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