

Converting Colors

$Y_{xy}(65.1092, 0.5035, 0.2842)$

Have a look what the booklet for
Yxy(65.1092, 0.5035, 0.2842)
contains.

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Color

Yxy(33.3980, 0.4044, 0.2514)

Conversions

Conversions Part 1

Format	Color
Hex	FF63B2
RGB	255, 99, 178
RGB Percent	100%, 39%, 70%
CMY	0.0002, 0.6115, 0.3020
CMYK	0.00, 0.61, 0.30, 0.00
HSL	330°, 100%, 69%
HSV	330°, 61%, 100%
XYZ	53.7238, 33.3980, 45.7263
YIQ	154.6500, 67.6170, 57.6410

Conversions

Conversions Part 2

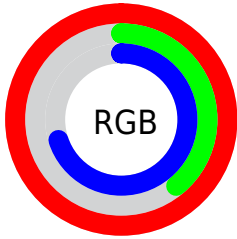
Format	Color
R _Y B	255, 99, 178
Decimal	16737202
CIE Lab	64.48, 66.50, -11.01
CIE LCh	64, 67.409, 350.599
Yxy	33.3980, 0.4044, 0.2514
Android (android.graphics.Color)	4294927282 (0xFFFF63B2)
YUV	154.6500, 11.5115, 88.0069
Hunter-Lab	57.7910, 64.8032, -6.4587

Details

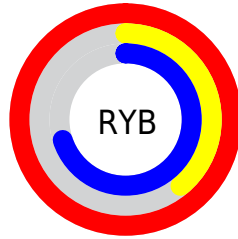
The Yxy color **33.3980, 0.4044, 0.2514** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.2820, 0.2716, 0.4306**, and the grayscale version is **32.5497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3145, 0.3347, 0.2520**, and **14.0941, 0.4324, 0.2298** is the 20% darker color. If you saturate the color by 10%, you get **28.8217, 0.4278, 0.2443**, and if you desaturate by 10%, it is **39.5485, 0.3831, 0.2619**.

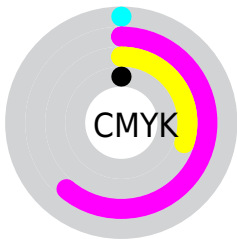
Distribution



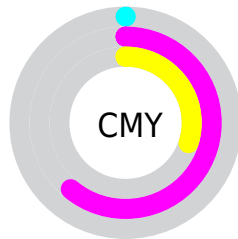
- Red (100%)
- Green (39%)
- Blue (70%)



- Red (100%)
- Yellow (39%)
- Blue (70%)



- Cyan (0%)
- Magenta (61%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3980, 0.4044, 0.2514 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 33.3980, 0.4044, 0.2514 by changing the saturation by 10% instead.


 33.3980, 0.4044,
0.2514


 33.3980, 0.4044,
0.2514


317.4393, 0.3574,
0.2900

 22.4315, 0.4164,
0.2419


 64.9964, 0.3871,
0.2653


 14.1743, 0.4319,
0.2299


 86.3971, 0.3807,
0.2706

 8.2420, 0.4528,
0.2140


 112.0447, 0.3753,
0.2751

 4.2502, 0.4821,
0.1925

 142.3235, 0.3707,
0.2789

 1.8145, 0.5260,
0.1620

177.6180, 0.3667,
0.2822

 0.4962, 0.6040,
0.1063

218.3126, 0.3632,

 0.0000, 0.9101,

0.2851

0.0000

264.7915, 0.3601,
0.2877

■ 0.0000, 0.0000,
0.0000

■ 33.3980, 0.4044,
0.2514

■ 33.3980, 0.4044,
0.2514

■ 28.8217, 0.4278,
0.2443

■ 39.5485, 0.3831,
0.2619

■ 25.6643, 0.4523,
0.2418

■ 47.3990, 0.3643,
0.2744

■ 23.7472, 0.4767,
0.2447

■ 57.0684, 0.3481,
0.2878

■ 22.8383, 0.4974,
0.2514

■ 68.6632, 0.3345,
0.3015

■ 82.2818, 0.3231,
0.3149

98.0157, 0.3137,
0.3276

99.9912, 0.3127,
0.3290

Harmonies

Analogous

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



33.3980, 0.2961, 0.2047



33.3980, 0.4044, 0.2514



33.3980, 0.4920, 0.3135

Triad

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



33.3980, 0.4044, 0.2514



33.3980, 0.3951, 0.5141



33.3980, 0.1432, 0.2236

Complementary

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



33.3980, 0.4044, 0.2514



77.2820, 0.2716, 0.4306

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.



33.3980, 0.1592, 0.3060



33.3980, 0.4044, 0.2514



33.3980, 0.3002, 0.5145

Square

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



33.3980, 0.4044, 0.2514



33.3980, 0.4750, 0.4550



33.3980, 0.2134, 0.4252



33.3980, 0.1602, 0.1856

Rectangle

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



33.3980, 0.4044, 0.2514



33.3980, 0.5158, 0.3591



33.3980, 0.2134, 0.4252



33.3980, 0.1446, 0.2456

Sweetspot

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



33.3997, 0.4044, 0.2514



72.7555, 0.3307, 0.3058



25.1974, 0.2464, 0.1550



14.7667, 0.3342, 0.3019



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.



33.3997, 0.4044, 0.2514



28.1455, 0.4323, 0.2434



31.1385, 0.5051, 0.3272



18.1406, 0.3214, 0.3170



11.9686, 0.4938, 0.2494



1.1874, 0.4687, 0.2356

Inverse Universe

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



33.3997, 0.4044, 0.2514



28.1455, 0.4323, 0.2434



81.1972, 0.2392, 0.3318



18.1406, 0.3214, 0.3170



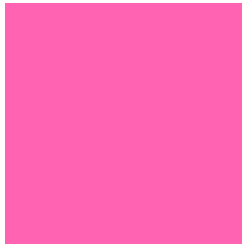
11.9686, 0.4938, 0.2494



1.1874, 0.4687, 0.2356

Previews

White Background



This preview shows how the Yxy color 33.3980, 0.4044, 0.2514 looks on a white background.

Color Contrast Check

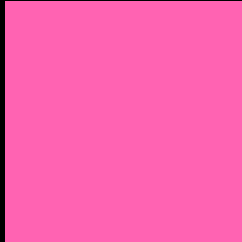
Large Text (above 18pt) WCAG AA × Fail

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 33.3980, 0.4044, 0.2514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

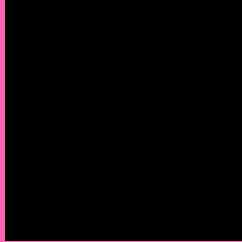
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3980, 0.4044, 0.2514

Background



This preview shows how black text looks on a background with the Yxy color 33.3980, 0.4044, 0.2514.



This preview shows how white text looks on a background with the Yxy color 33.3980, 0.4044, 0.2514.

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

33.3980, 0.4044, 0.2514

Protanopia

33.8038, 0.2506, 0.2448

Deuteranopia

33.4657, 0.3100, 0.3032



Tritanopia

33.2684, 0.4696, 0.3214

Trichromacy



Original Color

33.3980, 0.4044, 0.2514



Protanomaly

31.4160, 0.2959, 0.2422



Deuteranomaly

31.7980, 0.3422, 0.2774



Tritanomaly

33.1339, 0.4471, 0.2951

Monochromacy



Original Color

33.3980, 0.4044, 0.2514



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.0487, 0.3451, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3980, 0.4044, 0.2514 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, 99, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 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(255, 99, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 178) }
```

Border

The CSS property to change the border of an element to Yxy 33.3980, 0.4044, 0.2514 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, 99, 178) }
```

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

```
.border{ border-color:rgb(255, 99, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3980, 0.4044, 0.2514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 178) }
```

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

```
.background{ background-color: rgb(255, 99,  
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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