

Converting Colors

$Y_{xy}(33.5541, 0.4021, 0.2501)$

Have a look what the booklet for
Yxy(33.5541, 0.4021, 0.2501)
contains.

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Color

Yxy(33.4790, 0.4019, 0.2494)

Conversions

Conversions Part 1

Format	Color
Hex	FF63B4
RGB	255, 99, 180
RGB Percent	100%, 39%, 71%
CMY	0.0000, 0.6119, 0.2940
CMYK	0.00, 0.61, 0.29, 0.00
HSL	329°, 100%, 69%
HSV	329°, 61%, 100%
XYZ	53.9503, 33.4790, 46.8089
YIQ	154.8780, 66.9750, 58.2630

Conversions

Conversions Part 2

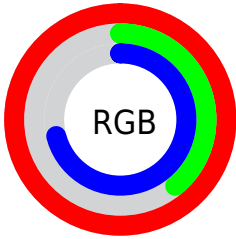
Format	Color
R _Y B	255, 99, 180
Decimal	16737204
CIE Lab	64.55, 66.80, -12.07
CIE LCh	65, 67.886, 349.757
Yxy	33.4790, 0.4019, 0.2494
Android (android.graphics.Color)	4294927284 (0xFFFF63B4)
YUV	154.8780, 12.3851, 87.8070
Hunter-Lab	57.8610, 65.1787, -7.4621

Details

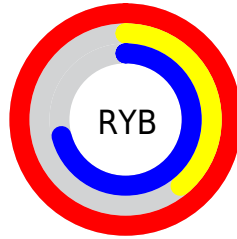
The Yxy color **33.4790, 0.4019, 0.2494** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.2253, 0.2725, 0.4335**, and the grayscale version is **32.6366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4301, 0.3330, 0.2502**, and **14.1457, 0.4285, 0.2274** is the 20% darker color. If you saturate the color by 10%, you get **28.9059, 0.4245, 0.2420**, and if you desaturate by 10%, it is **39.6121, 0.3812, 0.2601**.

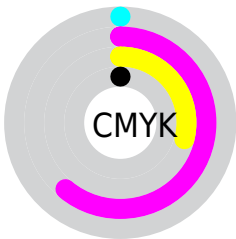
Distribution



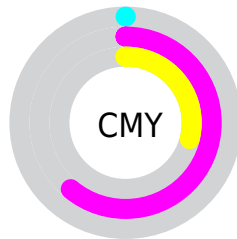
- Red (100%)
- Green (39%)
- Blue (71%)



- Red (100%)
- Yellow (39%)
- Blue (71%)



- Cyan (0%)
- Magenta (61%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4790, 0.4019, 0.2494 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 33.4790, 0.4019, 0.2494 by changing the saturation by 10% instead.


 33.4790, 0.4019,
0.2494


 33.4790, 0.4019,
0.2494


317.8026, 0.3564,
0.2888

 22.4936, 0.4135,
0.2398


 65.1226, 0.3852,
0.2636

 14.2201, 0.4285,
0.2275


 86.5497, 0.3789,
0.2690

 8.2739, 0.4485,
0.2115


 112.2262, 0.3737,
0.2735

 4.2707, 0.4767,
0.1899

 142.5364, 0.3692,
0.2774

 1.8261, 0.5186,
0.1593

177.8647, 0.3653,
0.2808

 0.5034, 0.5925,
0.1046

218.5956, 0.3620,

 0.0000, 0.8522,

0.2838

0.0000

265.1135, 0.3590,
0.2865

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

33.4790, 0.4019,
0.2494

33.4790, 0.4019,
0.2494

28.9059, 0.4245,
0.2420

39.6121, 0.3812,
0.2601

25.7555, 0.4482,
0.2392


47.4491, 0.3630,
0.2729

23.8430, 0.4718,
0.2418

57.1028, 0.3473,
0.2868

22.9385, 0.4917,
0.2482

68.6799, 0.3340,
0.3008

 82.2786, 0.3229,
0.3145

 97.9905, 0.3137,
0.3275

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.



33.4790, 0.2930, 0.2031



33.4790, 0.4019, 0.2494



33.4790, 0.4913, 0.3114

Triad

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



33.4790, 0.4019, 0.2494



33.4790, 0.3979, 0.5140



33.4790, 0.1423, 0.2246

Complementary

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



33.4790, 0.4019, 0.2494



77.2253, 0.2725, 0.4335

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.



33.4790, 0.1594, 0.3087



33.4790, 0.4019, 0.2494



33.4790, 0.3026, 0.5171

Square

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



33.4790, 0.4019, 0.2494



33.4790, 0.4775, 0.4535



33.4790, 0.2149, 0.4293



33.4790, 0.1585, 0.1855

Rectangle

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



33.4790, 0.4019, 0.2494



33.4790, 0.5166, 0.3571



33.4790, 0.2149, 0.4293



33.4790, 0.1441, 0.2472

Sweetspot

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



33.4746, 0.4019, 0.2494



72.7899, 0.3302, 0.3052



24.8850, 0.2441, 0.1539



14.7751, 0.3337, 0.3012



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.



33.4746, 0.4019, 0.2494



28.2343, 0.4287, 0.2411



31.1816, 0.5021, 0.3248



18.1447, 0.3212, 0.3167



12.0162, 0.4882, 0.2463



1.1921, 0.4639, 0.2329

Inverse Universe

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



33.4746, 0.4019, 0.2494



28.2343, 0.4287, 0.2411



81.0607, 0.2401, 0.3349



18.1447, 0.3212, 0.3167



12.0162, 0.4882, 0.2463



1.1921, 0.4639, 0.2329

Previews

White Background



This preview shows how the Yxy color 33.4790, 0.4019, 0.2494 looks on a white background.

Color Contrast Check

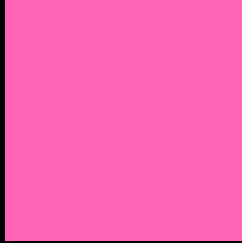
Large Text (above 18pt) WCAG AA × Fail

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 33.4790, 0.4019, 0.2494 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 33.4790, 0.4019, 0.2494

Background



This preview shows how black text looks on a background with the Yxy color 33.4790, 0.4019, 0.2494.



This preview shows how white text looks on a background with the Yxy color 33.4790, 0.4019, 0.2494.

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

33.4790, 0.4019, 0.2494

Protanopia

33.9604, 0.2487, 0.2414

Deuteranopia

33.4344, 0.3072, 0.3004



Tritanopia

33.4903, 0.4690, 0.3224

Trichromacy



Original Color

33.4790, 0.4019, 0.2494



Protanomaly

31.5595, 0.2932, 0.2389



Deuteranomaly

31.8760, 0.3400, 0.2750



Tritanomaly

33.3736, 0.4454, 0.2950

Monochromacy



Original Color

33.4790, 0.4019, 0.2494



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.0846, 0.3440, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4790, 0.4019, 0.2494 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 180) }
```

Border

The CSS property to change the border of an element to Yxy 33.4790, 0.4019, 0.2494 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, 180) }
```

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

```
.border{ border-color:rgb(255, 99, 180) }
```

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, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4790, 0.4019, 0.2494 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, 180) }
```

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

```
.background{ background-color: rgb(255, 99,  
180) }
```

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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