

Converting Colors

$Y_{xy}(74.7359, 0.4718, 0.2587)$

Have a look what the booklet for
Yxy(74.7359, 0.4718, 0.2587)
contains.

Yxy(34.8262, 0.3504, 0.2076)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.8262, 0.3504, 0.2076)

Conversions

Conversions Part 1

Format	Color
Hex	FF5FE0
RGB	255, 95, 224
RGB Percent	100%, 37%, 88%
CMY	0.0001, 0.6273, 0.1215
CMYK	0.00, 0.63, 0.12, 0.00
HSL	312°, 100%, 69%
HSV	312°, 63%, 100%
XYZ	58.7818, 34.8262, 74.1483
YIQ	157.5460, 53.9510, 74.0390

Conversions

Conversions Part 2

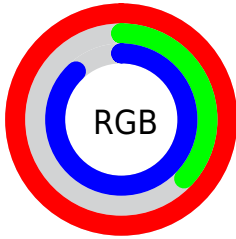
Format	Color
R _Y B	255, 95, 224
Decimal	16736224
CIE Lab	65.61, 74.21, -35.25
CIE LCh	66, 82.159, 334.596
Yxy	34.8262, 0.3504, 0.2076
Android (android.graphics.Color)	4294926304 (0xFFFF5FE0)
YUV	157.5460, 32.7618, 85.4672
Hunter-Lab	59.0137, 74.5244, -33.1858

Details

The Yxy color **34.8262, 0.3504, 0.2076** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **75.4487, 0.2917, 0.4975**, and the grayscale version is **33.8116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **15.0031, 0.3588, 0.1803** is the 20% darker color. If you saturate the color by 10%, you get **30.6961, 0.3581, 0.1956**, and if you desaturate by 10%, it is **40.4701, 0.3429, 0.2233**.

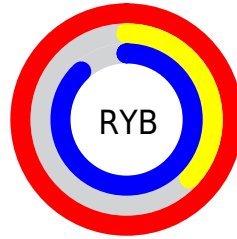
Distribution



Red (100%)

Green (37%)

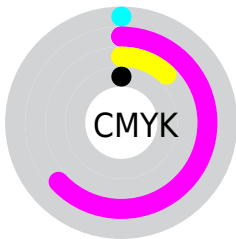
Blue (88%)



Red (100%)

Yellow (37%)

Blue (88%)

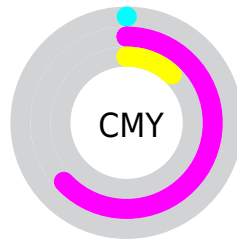


Cyan (0%)

Magenta (63%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8262, 0.3504, 0.2076 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 34.8262, 0.3504, 0.2076 by changing the saturation by 10% instead.


 34.8262, 0.3504,
0.2076


 34.8262, 0.3504,
0.2076


323.8005, 0.3339,
0.2637

 23.5290, 0.3538,
0.1951


 67.2164, 0.3449,
0.2269

 14.9846, 0.3579,
0.1798


 89.0783, 0.3427,
0.2345

 8.8086, 0.3626,
0.1608


 115.2305, 0.3408,
0.2410

 4.6165, 0.3681,
0.1370

 146.0574, 0.3391,
0.2467

 2.0241, 0.3741,
0.1068

181.9435, 0.3376,
0.2517

 0.6214, 0.3803,
0.0663

223.2731, 0.3362,

 0.0000, 0.3884,

0.2562

0.0000

270.4307, 0.3350,
0.2601

■ 0.0000, 0.2898,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8262, 0.3504,
0.2076

■ 34.8262, 0.3504,
0.2076

■ 30.6961, 0.3581,
0.1956

■ 40.4701, 0.3429,
0.2233

■ 27.9218, 0.3657,
0.1881


■ 47.7552, 0.3358,
0.2417


■ 26.3195, 0.3731,
0.1853

■ 56.8010, 0.3293,
0.2618

■ 25.6934, 0.3782,
0.1857

■ 67.7148, 0.3235,
0.2826

 80.5951, 0.3183,
0.3034

 95.5333, 0.3138,
0.3236

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



34.8262, 0.2335, 0.1691



34.8262, 0.3504, 0.2076



34.8262, 0.4782, 0.2685

Triad

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



34.8262, 0.3504, 0.2076



34.8262, 0.4541, 0.5057



34.8262, 0.1230, 0.2456

Complementary

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



34.8262, 0.3504, 0.2076



75.4487, 0.2917, 0.4975

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.



34.8262, 0.1603, 0.3734



34.8262, 0.3504, 0.2076



34.8262, 0.3499, 0.5641

Square

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



34.8262, 0.3504, 0.2076



34.8262, 0.5317, 0.4201



34.8262, 0.2425, 0.5194



34.8262, 0.1243, 0.1795

Rectangle

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



34.8262, 0.3504, 0.2076



34.8262, 0.5350, 0.3159



34.8262, 0.2425, 0.5194



34.8262, 0.1306, 0.2812

Sweetspot

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



34.8279, 0.3504, 0.2076



72.2983, 0.3214, 0.2904



19.7195, 0.2075, 0.1341



14.7194, 0.3230, 0.2844



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.



34.8279, 0.3504, 0.2076



29.9587, 0.3598, 0.1935



31.5111, 0.4489, 0.2801



18.2365, 0.3168, 0.3100



13.4490, 0.3771, 0.1851



1.3242, 0.3694, 0.1809

Inverse Universe

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



34.8279, 0.3504, 0.2076



29.9587, 0.3598, 0.1935



78.3177, 0.2578, 0.3926



18.2365, 0.3168, 0.3100



13.4490, 0.3771, 0.1851



1.3242, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 34.8262, 0.3504, 0.2076 looks on a white background.

Color Contrast Check

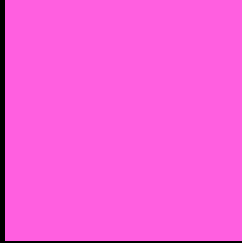
Large Text (above 18pt) WCAG AA × Fail

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 34.8262, 0.3504, 0.2076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

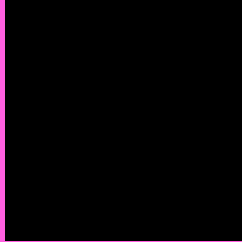
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8262, 0.3504, 0.2076

Background



This preview shows how black text looks on a background with the Yxy color 34.8262, 0.3504, 0.2076.

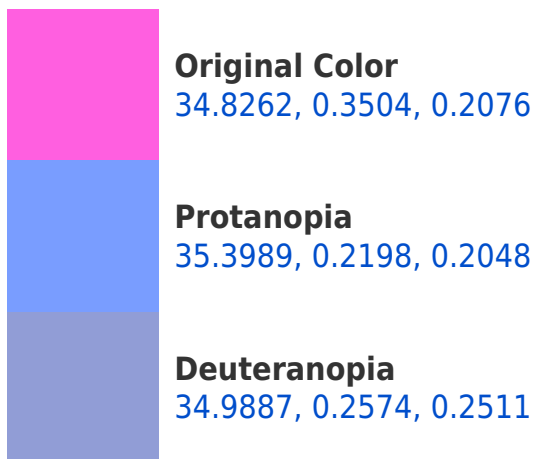


This preview shows how white text looks on a background with the Yxy color 34.8262, 0.3504, 0.2076.

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





Tritanopia

34.6722, 0.4485, 0.3209

Trichromacy



Original Color

34.8262, 0.3504, 0.2076



Protanomaly

32.1279, 0.2539, 0.1969



Deuteranomaly

32.4264, 0.2860, 0.2251



Tritanomaly

34.4084, 0.4124, 0.2752

Monochromacy



Original Color

34.8262, 0.3504, 0.2076



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.0428, 0.3271, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8262, 0.3504, 0.2076 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, 95, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 224)  
}
```

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, 95, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 224) }
```

Border

The CSS property to change the border of an element to Yxy 34.8262, 0.3504, 0.2076 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, 95, 224) }
```

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

```
.border{ border-color:rgb(255, 95, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 95, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8262, 0.3504, 0.2076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 224) }
```

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

```
.background{ background-color: rgb(255, 95,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor