

# Converting Colors

$Y_{xy}(36.1050, 0.3555, 0.2067)$

Have a look what the booklet for  
Yxy(36.1050, 0.3555, 0.2067)  
contains.

<b>Yxy(34.4603, 0.3475, 0.2032)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(34.4603, 0.3475, 0.2032)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5CE3
RGB	255, 92, 227
RGB Percent	100%, 36%, 89%
CMY	0.0000, 0.6392, 0.1099
CMYK	0.00, 0.64, 0.11, 0.00
HSL	310°, 100%, 68%
HSV	310°, 64%, 100%
XYZ	58.9319, 34.4603, 76.1959
YIQ	156.1270, 53.8130, 76.5410

# Conversions

## Conversions Part 2

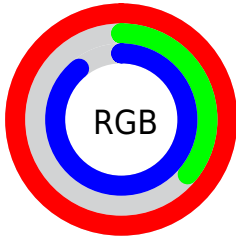
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 92, 227
Decimal	16735459
CIE Lab	65.33, 75.81, -37.35
CIE LCh	65, 84.512, 333.775
Yxy	34.4603, 0.3475, 0.2032
Android (android.graphics.Color)	4294925539 (0xFFFF5CE3)
YUV	156.1270, 34.9404, 86.7116
Hunter-Lab	58.7029, 76.4662, -35.8660

# Details

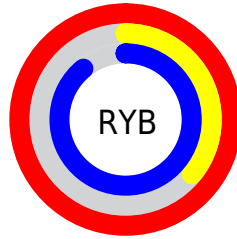
The Yxy color **34.4603, 0.3475, 0.2032** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **75.1525, 0.2930, 0.5054**, and the grayscale version is **33.1279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9365, 0.3174, 0.2293**, and **14.8053, 0.3545, 0.1750** is the 20% darker color. If you saturate the color by 10%, you get **30.5211, 0.3543, 0.1914**, and if you desaturate by 10%, it is **39.8903, 0.3408, 0.2188**.

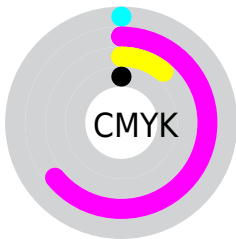
# Distribution



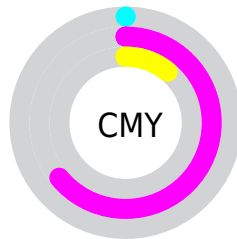
- Red (100%)
- Green (36%)
- Blue (89%)



- Red (100%)
- Yellow (36%)
- Blue (89%)



- Cyan (0%)
- Magenta (64%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4603, 0.3475, 0.2032 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 34.4603, 0.3475, 0.2032 by changing the saturation by 10% instead.




 34.4603, 0.3475,  
0.2032


 34.4603, 0.3475,  
0.2032


322.1797, 0.3327,  
0.2611


 23.2474, 0.3505,  
0.1903

 66.6488, 0.3427,  
0.2230


 14.7763, 0.3539,  
0.1747


 88.3933, 0.3407,  
0.2308

 8.6626, 0.3577,  
0.1555


 114.4171, 0.3390,  
0.2376

 4.5217, 0.3619,  
0.1314

 145.1046, 0.3374,  
0.2435

 1.9695, 0.3660,  
0.1011

180.8402, 0.3360,  
0.2487

 0.5897, 0.3692,  
0.0607

222.0083, 0.3348,

 0.0000, 0.3702,

0.2533

0.0000

268.9933, 0.3337,  
0.2574

■ 0.0000, 0.2670,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.4603, 0.3475,  
0.2032

■ 34.4603, 0.3475,  
0.2032

■ 30.5211, 0.3543,  
0.1914

■ 39.8903, 0.3408,  
0.2188

■ 27.9186, 0.3609,  
0.1842


■ 46.9476, 0.3344,  
0.2373

■ 26.4616, 0.3672,  
0.1815

■ 55.7511, 0.3285,  
0.2576

■ 25.9705, 0.3709,  
0.1817

■ 66.4088, 0.3231,  
0.2789

 79.0203, 0.3184,  
0.3003

 93.6780, 0.3142,  
0.3211

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.



34.4603, 0.2284, 0.1648



34.4603, 0.3475, 0.2032



34.4603, 0.4802, 0.2646

# Triad

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



34.4603, 0.3475, 0.2032



34.4603, 0.4587, 0.5064



34.4603, 0.1192, 0.2453

# Complementary

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



34.4603, 0.3475, 0.2032



75.1525, 0.2930, 0.5054

# 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.



34.4603, 0.1577, 0.3788



34.4603, 0.3475, 0.2032



34.4603, 0.3522, 0.5706

# Square

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



34.4603, 0.3475, 0.2032



34.4603, 0.5381, 0.4178



34.4603, 0.2424, 0.5298



34.4603, 0.1198, 0.1767



# Rectangle

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



34.4603, 0.3475, 0.2032



34.4603, 0.5400, 0.3124



34.4603, 0.2424, 0.5298



34.4603, 0.1271, 0.2824

# Sweetspot

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



34.4596, 0.3475, 0.2032



72.3628, 0.3207, 0.2894



18.8093, 0.2035, 0.1297



14.7352, 0.3221, 0.2833



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.



34.4596, 0.3475, 0.2032



29.5850, 0.3563, 0.1887



31.0011, 0.4492, 0.2769



18.2436, 0.3164, 0.3095



13.5899, 0.3700, 0.1812



1.3367, 0.3634, 0.1775



# Inverse Universe

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



34.4596, 0.3475, 0.2032



29.5850, 0.3563, 0.1887



77.9971, 0.2584, 0.3977



18.2436, 0.3164, 0.3095



13.5899, 0.3700, 0.1812



1.3367, 0.3634, 0.1775



# Previews

## White Background



This preview shows how the Yxy color 34.4603, 0.3475, 0.2032 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

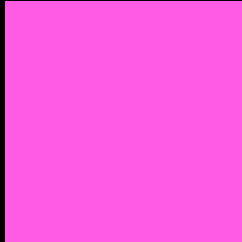
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.4603, 0.3475, 0.2032 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

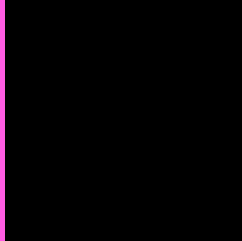
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.4603, 0.3475, 0.2032**

## Background



This preview shows how black text looks on a background with the Yxy color 34.4603, 0.3475, 0.2032.



This preview shows how white text looks on a background with the Yxy color 34.4603, 0.3475, 0.2032.

# 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

34.4603, 0.3475, 0.2032

### Protanopia

34.9189, 0.2185, 0.2032

### Deuteranopia

34.7864, 0.2525, 0.2470



## Tritanopia

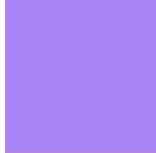
34.4039, 0.4503, 0.3210

# Trichromacy



## Original Color

34.4603, 0.3475, 0.2032



## Protanomaly

31.6925, 0.2516, 0.1944



## Deuteranomaly

31.9406, 0.2807, 0.2201



## Tritanomaly

33.9719, 0.4131, 0.2733

# Monochromacy



## Original Color

34.4603, 0.3475, 0.2032



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

31.3589, 0.3263, 0.2653

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.4603, 0.3475, 0.2032 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, 92, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 227)  
}
```

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, 92, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 34.4603, 0.3475, 0.2032 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, 92, 227) }
```

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

```
.border{ border-color:rgb(255, 92, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 92, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.4603, 0.3475, 0.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 227) }
```

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

```
.background{ background-color: rgb(255, 92,  
227) }
```

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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