

# Converting Colors

$Y_{xy}(34.0156, 0.3199, 0.1754)$

Have a look what the booklet for  
Yxy(34.0156, 0.3199, 0.1754)  
contains.

<b>Yxy(34.0720, 0.3199, 0.1756)</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(34.0720, 0.3199, 0.1756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4FFF
RGB	255, 79, 255
RGB Percent	100%, 31%, 100%
CMY	0.0002, 0.6899, 0.0001
CMYK	0.00, 0.69, 0.00, 0.00
HSL	300°, 100%, 65%
HSV	300°, 69%, 100%
XYZ	62.0708, 34.0720, 97.8891
YIQ	151.6880, 48.4000, 92.0480

# Conversions

## Conversions Part 2

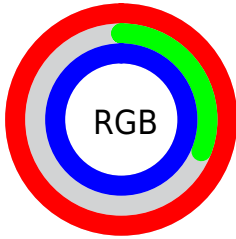
Format	Color
R <sub>Y</sub> B	255, 79, 255
Decimal	16732159
CIE Lab	65.02, 84.57, -53.34
CIE LCh	65, 99.989, 327.761
Yxy	34.0720, 0.3199, 0.1756
Android (android.graphics.Color)	4294922239 (0xFFFF4FFF)
YUV	151.6880, 50.9328, 90.6046
Hunter-Lab	58.3712, 87.6637, -58.5700

# Details

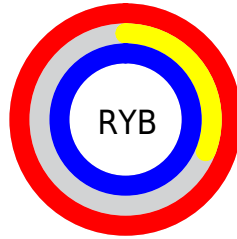
The Yxy color **34.0720, 0.3199, 0.1756** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.7342, 0.3023, 0.5517**, and the grayscale version is **31.0325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **15.5466, 0.3159, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **31.0695, 0.3204, 0.1644**, and if you desaturate by 10%, it is **38.4875, 0.3192, 0.1911**.

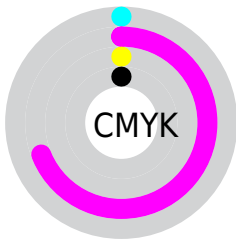
# Distribution



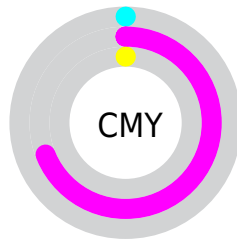
- Red (100%)
- Green (31%)
- Blue (100%)



- Red (100%)
- Yellow (31%)
- Blue (100%)



- Cyan (0%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (69%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0720, 0.3199, 0.1756 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 34.0720, 0.3199, 0.1756 by changing the saturation by 10% instead.





 34.0720, 0.3199,  
0.1756


 34.0720, 0.3199,  
0.1756


320.4530, 0.3204,  
0.2433


 22.9489, 0.3188,  
0.1614


 66.0456, 0.3208,  
0.1982


 14.5558, 0.3170,  
0.1445


 87.6649, 0.3210,  
0.2073

 8.5082, 0.3139,  
0.1244


 113.5518, 0.3210,  
0.2152

 4.4218, 0.3087,  
0.1005

 144.0906, 0.3209,  
0.2222

 1.9122, 0.2994,  
0.0724

179.6657, 0.3208,  
0.2284

 0.5557, 0.2833,  
0.0385

220.6616, 0.3207,

 0.0000, 0.2537,

0.2339

0.0000

267.4625, 0.3205,  
0.2389

■ 0.0000, 0.1766,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.0720, 0.3199,  
0.1756

■ 34.0720, 0.3199,  
0.1756

■ 31.0695, 0.3204,  
0.1644

■ 38.4875, 0.3192,  
0.1911

■ 29.3042, 0.3207,  
0.1575


■ 44.4555, 0.3183,  
0.2104


■ 28.5255, 0.3209,  
0.1544

■ 52.1040, 0.3172,  
0.2325

■ 28.4694, 0.3209,  
0.1541

■ 61.5465, 0.3161,  
0.2566

 72.8865, 0.3149,  
0.2817

 86.2199, 0.3138,  
0.3069

99.9930, 0.3127,  
0.3290

99.9934, 0.3127,  
0.3290

99.9938, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.0720, 0.1941, 0.1403



34.0720, 0.3199, 0.1756



34.0720, 0.4809, 0.2378

# Triad

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



34.0720, 0.3199, 0.1756



34.0720, 0.4895, 0.4981



34.0720, 0.0995, 0.2514

# Complementary

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



34.0720, 0.3199, 0.1756



73.7342, 0.3023, 0.5517

# 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.



34.0720, 0.1474, 0.4263



34.0720, 0.3199, 0.1756



34.0720, 0.3699, 0.5980

# Square

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



34.0720, 0.3199, 0.1756



34.0720, 0.5771, 0.3964



34.0720, 0.2476, 0.5985



34.0720, 0.0950, 0.1644



# Rectangle

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



34.0720, 0.3199, 0.1756



34.0720, 0.5631, 0.2874



34.0720, 0.2476, 0.5985



34.0720, 0.1097, 0.2999

# Sweetspot

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



34.0736, 0.3199, 0.1756



70.4626, 0.3152, 0.2766



14.9196, 0.1794, 0.1102



14.3932, 0.3155, 0.2697



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.



34.0736, 0.3199, 0.1756



30.2303, 0.3206, 0.1611



29.7585, 0.4200, 0.2437



18.3003, 0.3138, 0.3056



14.8796, 0.3209, 0.1541



1.4488, 0.3209, 0.1541



# Inverse Universe

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



27.4237, 0.5463, 0.3297



23.1904, 0.6054, 0.3299



75.8517, 0.2705, 0.4490



17.9871, 0.3295, 0.3290



11.1088, 0.6401, 0.3300



1.0816, 0.6400, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 34.0720, 0.3199, 0.1756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

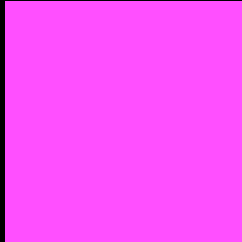
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0720, 0.3199, 0.1756 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

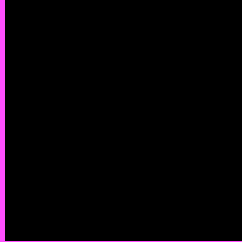
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.0720, 0.3199, 0.1756**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.0720, 0.3199, 0.1756.



This preview shows how white text looks on a background with the Yxy color 34.0720, 0.3199, 0.1756.

# 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

34.0720, 0.3199, 0.1756

### Protanopia

34.4446, 0.2172, 0.2016

### Deuteranopia

34.2298, 0.2219, 0.2152



## Tritanopia

33.7187, 0.4452, 0.3197

# Trichromacy



## Original Color

34.0720, 0.3199, 0.1756



## Protanomaly

30.6142, 0.2438, 0.1795



## Deuteranomaly

30.5229, 0.2482, 0.1877



## Tritanomaly

32.7911, 0.3975, 0.2566

# Monochromacy



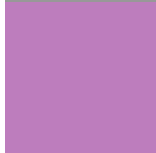
## Original Color

34.0720, 0.3199, 0.1756



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

29.1602, 0.3166, 0.2462

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0720, 0.3199, 0.1756 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, 79, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 255)  
}
```

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, 79, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0720, 0.3199, 0.1756 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, 79, 255) }
```

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

```
.border{ border-color:rgb(255, 79, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 79, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0720, 0.3199, 0.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 255) }
```

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

```
.background{ background-color: rgb(255, 79,  
255) }
```

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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