

# Converting Colors

$Y_{xy}(32.5465, 0.3356, 0.1975)$

Have a look what the booklet for  
Yxy(32.5465, 0.3356, 0.1975)  
contains.

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**Color**

**Yxy(32.4888, 0.3354, 0.1976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F45CE4
RGB	244, 92, 228
RGB Percent	96%, 36%, 89%
CMY	0.0431, 0.6393, 0.1058
CMYK	0.00, 0.62, 0.07, 0.04
HSL	306°, 87%, 66%
HSV	306°, 62%, 96%
XYZ	55.1455, 32.4888, 76.7827
YIQ	152.9520, 46.9360, 74.5200

# Conversions

## Conversions Part 2

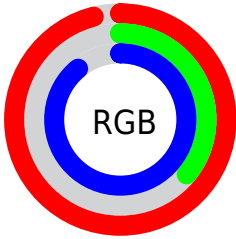
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 92, 228
Decimal	16014564
CIE <sub>Lab</sub>	63.74, 73.30, -40.53
CIE <sub>LCh</sub>	64, 83.754, 331.061
Yxy	32.4888, 0.3354, 0.1976
Android (android.graphics.Color)	4294204644 (0xFFFF45CE4)
<b>YUV</b>	152.9520, 36.9987, 79.8491
Hunter-Lab	56.9989, 72.9474, -39.9697

# Details

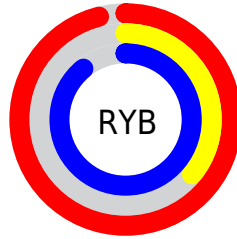
The Yxy color **32.4888, 0.3354, 0.1976** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **68.0670, 0.2973, 0.5126**, and the grayscale version is **31.6529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **13.6346, 0.3376, 0.1677** is the 20% darker color. If you saturate the color by 10%, you get **28.7812, 0.3395, 0.1844**, and if you desaturate by 10%, it is **37.5623, 0.3312, 0.2146**.

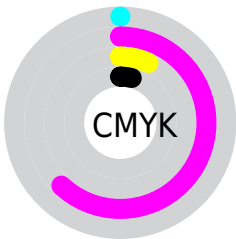
# Distribution



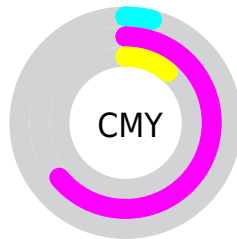
- Red (96%)
- Green (36%)
- Blue (89%)



- Red (96%)
- Yellow (36%)
- Blue (89%)



- Cyan (0%)
- Magenta (62%)
- Yellow (7%)
- Black (4%)




- Cyan (4%)
- Magenta (64%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4888, 0.3354, 0.1976 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 32.4888, 0.3354, 0.1976 by changing the saturation by 10% instead.





 32.4888, 0.3354,  
0.1976


 32.4888, 0.3354,  
0.1976


313.3399, 0.3269,  
0.2582


 21.7351, 0.3367,  
0.1841


 63.5766, 0.3329,  
0.2184

 13.6624, 0.3380,  
0.1678


 84.6795, 0.3318,  
0.2266

 7.8862, 0.3390,  
0.1476


 110.0009, 0.3308,  
0.2337

 4.0222, 0.3393,  
0.1226

 139.9253, 0.3298,  
0.2398

 1.6860, 0.3374,  
0.0914

174.8370, 0.3290,  
0.2453

 0.4146, 0.3328,  
0.0457

215.1204, 0.3282,

 0.0000, 0.3125,

0.2501

0.0000

261.1599, 0.3275,  
0.2544

■ 0.0000, 0.0828,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 32.4888, 0.3354,  
0.1976

■ 32.4888, 0.3354,  
0.1976

■ 28.7812, 0.3395,  
0.1844

■ 37.5623, 0.3312,  
0.2146

■ 26.2988, 0.3435,  
0.1755

■ 44.1152, 0.3271,  
0.2345


■ 24.8789, 0.3472,  
0.1710


■ 52.2544, 0.3232,  
0.2563


■ 24.3163, 0.3498,  
0.1701

■ 62.0757, 0.3196,  
0.2789

 73.6672, 0.3163,  
0.3017

 87.1109, 0.3133,  
0.3240

 97.4090, 0.3111,  
0.3378

 97.5677, 0.3096,  
0.3353

 97.7285, 0.3082,  
0.3328

# Harmonies

## Analogous

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



32.4888, 0.2189, 0.1615



32.4888, 0.3354, 0.1976



32.4888, 0.4711, 0.2577

# Triad

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



32.4888, 0.3354, 0.1976



32.4888, 0.4682, 0.4993



32.4888, 0.1194, 0.2536

# Complementary

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



32.4888, 0.3354, 0.1976



68.0670, 0.2973, 0.5126

# 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.



32.4888, 0.1621, 0.3941



32.4888, 0.3354, 0.1976



32.4888, 0.3621, 0.5701

# Square

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



32.4888, 0.3354, 0.1976



32.4888, 0.5445, 0.4101



32.4888, 0.2509, 0.5421



32.4888, 0.1170, 0.1793



# Rectangle

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



32.4888, 0.3354, 0.1976



32.4888, 0.5364, 0.3052



32.4888, 0.2509, 0.5421



32.4888, 0.1285, 0.2932

# Sweetspot

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



32.4903, 0.3354, 0.1976



72.5641, 0.3184, 0.2864



17.3216, 0.2001, 0.1321



14.7845, 0.3194, 0.2798



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.



32.4903, 0.3354, 0.1976



30.8903, 0.3407, 0.1813



29.1806, 0.4290, 0.2671



16.7365, 0.3154, 0.3081



13.2322, 0.3493, 0.1698



1.1714, 0.3453, 0.1676



# Inverse Universe

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



32.4903, 0.3354, 0.1976



30.8903, 0.3407, 0.1813



70.4122, 0.2638, 0.4097



16.7365, 0.3154, 0.3081



13.2322, 0.3493, 0.1698

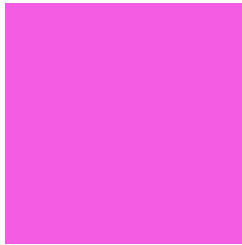


1.1714, 0.3453, 0.1676



# Previews

## White Background



This preview shows how the Yxy color 32.4888, 0.3354, 0.1976 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

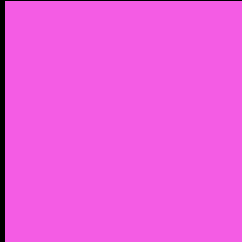
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.4888, 0.3354, 0.1976 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

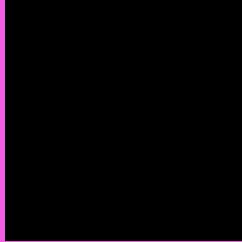
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.4888, 0.3354, 0.1976**

## Background



This preview shows how black text looks on a background with the Yxy color 32.4888, 0.3354, 0.1976.



This preview shows how white text looks on a background with the Yxy color 32.4888, 0.3354, 0.1976.

# 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

32.4888, 0.3354, 0.1976

### Protanopia

33.1212, 0.2138, 0.1969

### Deuteranopia

32.7500, 0.2446, 0.2387



## Tritanopia

32.3151, 0.4384, 0.3204

# Trichromacy



## Original Color

32.4888, 0.3354, 0.1976



## Protanomaly

30.0314, 0.2449, 0.1887



## Deuteranomaly

30.3908, 0.2716, 0.2142



## Tritanomaly

31.8367, 0.4006, 0.2702

# Monochromacy



## Original Color

32.4888, 0.3354, 0.1976



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

29.9670, 0.3222, 0.2638

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.4888, 0.3354, 0.1976 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(244, 92, 228)` looks like.

```
.text, #text, p{  
    color:rgb(244, 92, 228)  
}
```

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(244, 92, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 92, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 32.4888, 0.3354, 0.1976 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(244, 92, 228) }
```

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

```
.border{ border-color:rgb(244, 92, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 92, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 92, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 92, 228);  
box-shadow:4px 4px 4px 4px rgb(244, 92,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.4888, 0.3354, 0.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 92, 228) }
```

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

```
.background{ background-color: rgb(244, 92,  
228) }
```

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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