

# Converting Colors

$Y_{xy}(32.6356, 0.4055, 0.2809)$

Have a look what the booklet for  
Yxy(32.6356, 0.4055, 0.2809)  
contains.

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# Color

**Yxy(32.7692, 0.4054, 0.2808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED739F
RGB	237, 115, 159
RGB Percent	93%, 45%, 62%
CMY	0.0706, 0.5490, 0.3766
CMYK	0.00, 0.51, 0.33, 0.07
HSL	338°, 77%, 69%
HSV	338°, 51%, 93%
XYZ	47.3099, 32.7692, 36.6203
YIQ	156.4940, 58.5880, 39.5480

# Conversions

## Conversions Part 2

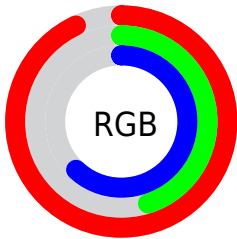
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 115, 159
Decimal	15561631
CIE <sub>Lab</sub>	63.97, 51.54, -1.20
CIE <sub>LCh</sub>	64, 51.555, 358.666
Yxy	32.7692, 0.4054, 0.2808
Android (android.graphics.Color)	4293751711 (0xFFED739F)
YUV	156.4940, 1.2355, 70.6038
Hunter-Lab	57.2444, 47.3447, 2.1422

# Details

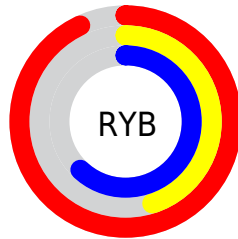
The Yxy color **32.7692, 0.4054, 0.2808** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **68.0616, 0.2667, 0.3863**, and the grayscale version is **33.4543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8645, 0.3506, 0.2839**, and **13.8852, 0.4348, 0.2655** is the 20% darker color. If you saturate the color by 10%, you get **27.5478, 0.4346, 0.2739**, and if you desaturate by 10%, it is **39.4475, 0.3800, 0.2896**.

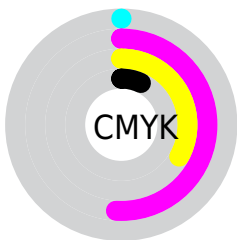
# Distribution



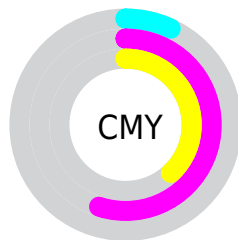
- Red (93%)
- Green (45%)
- Blue (62%)



- Red (93%)
- Yellow (45%)
- Blue (62%)



- Cyan (0%)
- Magenta (51%)
- Yellow (33%)
- Black (7%)




- Cyan (7%)
- Magenta (55%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7692, 0.4054, 0.2808 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 32.7692, 0.4054, 0.2808 by changing the saturation by 10% instead.





 32.7692, 0.4054,  
0.2808


 32.7692, 0.4054,  
0.2808

314.6085, 0.3567,  
0.3060


 21.9497, 0.4183,  
0.2742


 64.0150, 0.3871,  
0.2902

 13.8199, 0.4353,  
0.2655


 85.2101, 0.3804,  
0.2937

 7.9955, 0.4587,  
0.2535


 110.6326, 0.3749,  
0.2966

 4.0921, 0.4926,  
0.2364

140.6667, 0.3701,  
0.2990

 1.7252, 0.5457,  
0.2097

175.6970, 0.3660,  
0.3011

 0.4399, 0.6641,  
0.1474

216.1078, 0.3625,


 0.0000, 1.0000,


0.3030


0.0000

262.2835, 0.3594,  
0.3046

 0.0000, 0.0000,  
0.0000

 32.7692, 0.4054,  
0.2808


 32.7692, 0.4054,  
0.2808


 27.5478, 0.4346,  
0.2739

 39.4475, 0.3800,  
0.2896


 23.6673, 0.4668,  
0.2701


 47.6773, 0.3586,  
0.2993


 21.0021, 0.5003,  
0.2706

 57.5506, 0.3408,  
0.3091

 19.3996, 0.5326,  
0.2763

 69.1512, 0.3262,  
0.3187

 18.6655, 0.5576,  
0.2845

 82.5567, 0.3143,  
0.3277

96.4206, 0.3046,  
0.3340

96.7432, 0.3017,  
0.3290

# Harmonies

## Analogous

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



32.7692, 0.3231, 0.2370



32.7692, 0.4054, 0.2808



32.7692, 0.4621, 0.3358

# Triad

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



32.7692, 0.4054, 0.2808



32.7692, 0.3637, 0.4783



32.7692, 0.1756, 0.2355

# Complementary

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



32.7692, 0.4054, 0.2808



68.0616, 0.2667, 0.3863

# 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.



32.7692, 0.1828, 0.2933



32.7692, 0.4054, 0.2808



32.7692, 0.2867, 0.4546

# Square

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



32.7692, 0.4054, 0.2808



32.7692, 0.4311, 0.4489



32.7692, 0.2210, 0.3780



32.7692, 0.1974, 0.2099



# Rectangle

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



32.7692, 0.4054, 0.2808



32.7692, 0.4729, 0.3751



32.7692, 0.2210, 0.3780



32.7692, 0.1747, 0.2511

# Sweetspot

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



32.7709, 0.4054, 0.2808



76.5002, 0.3311, 0.3153



29.6208, 0.2764, 0.1894



15.7505, 0.3342, 0.3133



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.



32.7709, 0.4054, 0.2808



32.1199, 0.4370, 0.2735



35.5494, 0.4510, 0.3472



15.1438, 0.3236, 0.3205



10.2143, 0.5533, 0.2822



0.8199, 0.5151, 0.2611



# Inverse Universe

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



32.7709, 0.4054, 0.2808



32.1199, 0.4370, 0.2735



61.3298, 0.2421, 0.3084



15.1438, 0.3236, 0.3205



10.2143, 0.5533, 0.2822



0.8199, 0.5151, 0.2611



# Previews

## White Background



This preview shows how the Yxy color 32.7692, 0.4054, 0.2808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

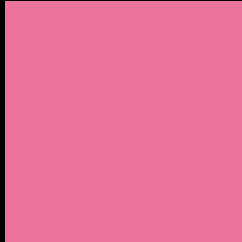
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.7692, 0.4054, 0.2808 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 32.7692, 0.4054, 0.2808**

## **Background**



This preview shows how black text looks on a background with the Yxy color 32.7692, 0.4054, 0.2808.



This preview shows how white text looks on a background with the Yxy color 32.7692, 0.4054, 0.2808.

# 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

32.7692, 0.4054, 0.2808

### Protanopia

33.0141, 0.2838, 0.2867

### Deuteranopia

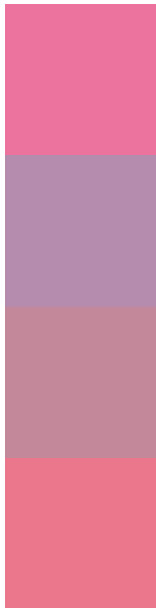
32.7705, 0.3315, 0.3247



## Tritanopia

32.7521, 0.4376, 0.3204

# Trichromacy



**Original Color**

32.7692, 0.4054, 0.2808

**Protanomaly**

31.7572, 0.3232, 0.2827

**Deuteranomaly**

31.8600, 0.3579, 0.3051

**Tritanomaly**

32.7493, 0.4258, 0.3059

# Monochromacy



**Original Color**

32.7692, 0.4054, 0.2808

**Achromatopsia**

33.2452, 0.3127, 0.3290

**Achromatomaly**

31.7984, 0.3439, 0.3070

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.7692, 0.4054, 0.2808 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(237, 115, 159)` looks like.

```
.text, #text, p{  
    color:rgb(237, 115, 159)  
}
```

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(237, 115, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 115, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 32.7692, 0.4054, 0.2808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

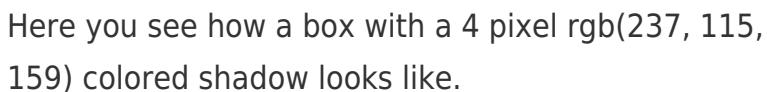
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 115, 159) }
```

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

```
.border{ border-color:rgb(237, 115, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 115, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 115, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 115, 159); box-shadow:4px 4px 4px 4px rgb(237, 115, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.7692, 0.4054, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 115, 159) }
```

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

```
.background{ background-color: rgb(237,  
115, 159) }
```

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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