

# Converting Colors

$Y_{xy}(32.0933, 0.3488, 0.2435)$

Have a look what the booklet for  
Yxy(32.0933, 0.3488, 0.2435)  
contains.

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# Color

**Yxy(32.0579, 0.3493, 0.2434)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE75C0
RGB	222, 117, 192
RGB Percent	87%, 46%, 75%
CMY	0.1293, 0.5412, 0.2470
CMYK	0.00, 0.47, 0.14, 0.13
HSL	317°, 61%, 66%
HSV	317°, 47%, 87%
XYZ	46.0059, 32.0579, 53.6450
YIQ	156.9450, 38.5050, 45.5850

# Conversions

## Conversions Part 2

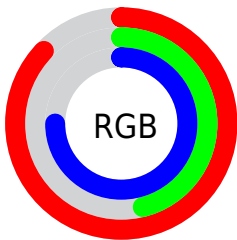
Format	Color
R <sub>Y</sub> B	222, 117, 192
Decimal	14579136
CIE Lab	63.39, 50.38, -21.08
CIE LCh	63, 54.612, 337.293
Yxy	32.0579, 0.3493, 0.2434
Android (android.graphics.Color)	4292769216 (0xFFDE75C0)
YUV	156.9450, 17.2821, 57.0532
Hunter-Lab	56.6197, 45.9542, -16.5412

# Details

The Yxy color **32.0579, 0.3493, 0.2434** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **58.1397, 0.2898, 0.4350**, and the grayscale version is **33.5991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6046, 0.3212, 0.2531**, and **13.5011, 0.3600, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **27.2104, 0.3601, 0.2277**, and if you desaturate by 10%, it is **38.1472, 0.3395, 0.2610**.

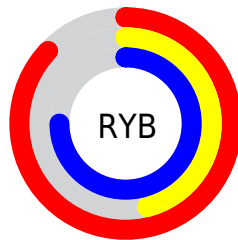
# Distribution



Red (87%)

Green (46%)

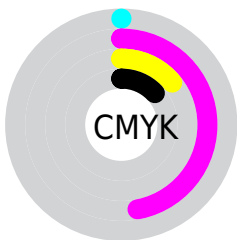
Blue (75%)



Red (87%)

Yellow (46%)

Blue (75%)

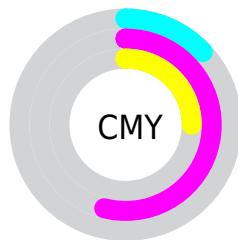


Cyan (0%)

Magenta (47%)

Yellow (14%)

Black (13%)



Cyan (13%)

Magenta (54%)


Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0579, 0.3493, 0.2434 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 32.0579, 0.3493, 0.2434 by changing the saturation by 10% instead.





 32.0579, 0.3493,  
0.2434


 32.0579, 0.3493,  
0.2434


311.3829, 0.3314,  
0.2855

 21.4057, 0.3536,  
0.2332


 62.9018, 0.3429,  
0.2585

 13.4209, 0.3590,  
0.2203

 83.8624, 0.3405,  
0.2642

 7.7190, 0.3660,  
0.2036


 109.0279, 0.3384,  
0.2691

 3.9157, 0.3753,  
0.1811

138.7827, 0.3366,  
0.2733

 1.6265, 0.3881,  
0.1496

173.5112, 0.3351,  
0.2769

 0.3754, 0.4147,  
0.0852

213.5978, 0.3337,


 0.0000, 0.4411,


0.2801


0.0000

259.4269, 0.3325,  
0.2829


 0.0000, 0.0000,  
0.0000


 32.0579, 0.3493,  
0.2434


 32.0579, 0.3493,  
0.2434

 27.2104, 0.3601,  
0.2277


 38.1472, 0.3395,  
0.2610


 23.5118, 0.3717,  
0.2149


 45.5534, 0.3308,  
0.2795


 20.8638, 0.3837,  
0.2061


 54.3509, 0.3233,  
0.2981

 19.1491, 0.3957,  
0.2021

 64.6072, 0.3168,  
0.3162

 18.2116, 0.4073,  
0.2029

 76.3856, 0.3113,  
0.3336

 18.0222, 0.4105,  
0.2035

 89.7454, 0.3067,  
0.3499

 93.1324, 0.3030,  
0.3480

 93.5084, 0.2995,  
0.3414

 93.8976, 0.2961,  
0.3349

# Harmonies

## Analogous

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



32.0579, 0.2643, 0.2108



32.0579, 0.3493, 0.2434



32.0579, 0.4333, 0.2934

# Triad

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



32.0579, 0.3493, 0.2434



32.0579, 0.4189, 0.4686



32.0579, 0.1701, 0.2690

# Complementary

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



32.0579, 0.3493, 0.2434



58.1397, 0.2898, 0.4350

# 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.



32.0579, 0.2003, 0.3534



32.0579, 0.3493, 0.2434



32.0579, 0.3423, 0.4886

# Square

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



32.0579, 0.3493, 0.2434



32.0579, 0.4715, 0.4146



32.0579, 0.2621, 0.4447



32.0579, 0.1717, 0.2187



# Rectangle

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



32.0579, 0.3493, 0.2434



32.0579, 0.4703, 0.3324



32.0579, 0.2621, 0.4447



32.0579, 0.1765, 0.2938

# Sweetspot

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



32.0594, 0.3493, 0.2434



78.6603, 0.3211, 0.3039



24.1748, 0.2467, 0.1891



16.2106, 0.3226, 0.3000



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.



32.0594, 0.3493, 0.2434



37.1654, 0.3602, 0.2275



30.1386, 0.4133, 0.3023



13.8654, 0.3181, 0.3124



10.7229, 0.4088, 0.2026



0.7584, 0.3921, 0.1934



# Inverse Universe

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



32.0594, 0.3493, 0.2434



37.1654, 0.3602, 0.2275



60.1692, 0.2615, 0.3593



13.8654, 0.3181, 0.3124



10.7229, 0.4088, 0.2026

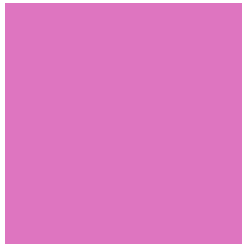


0.7584, 0.3921, 0.1934



# Previews

## White Background



This preview shows how the Yxy color 32.0579, 0.3493, 0.2434 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

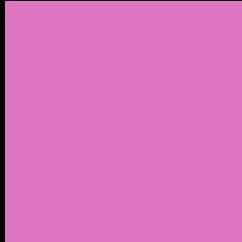
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.0579, 0.3493, 0.2434 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

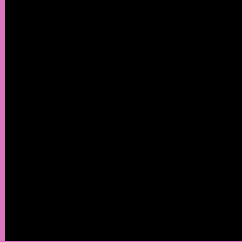
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.0579, 0.3493, 0.2434**

## Background



This preview shows how black text looks on a background with the Yxy color 32.0579, 0.3493, 0.2434.



This preview shows how white text looks on a background with the Yxy color 32.0579, 0.3493, 0.2434.

# 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

32.0579, 0.3493, 0.2434

### Protanopia

32.5050, 0.2451, 0.2374

### Deuteranopia

32.4507, 0.2839, 0.2786



## Tritanopia

31.8723, 0.4040, 0.3170

# Trichromacy



## Original Color

32.0579, 0.3493, 0.2434



## Protanomaly

31.0680, 0.2752, 0.2358



## Deuteranomaly

31.5611, 0.3057, 0.2631



## Tritanomaly

31.7894, 0.3833, 0.2881

# Monochromacy



## Original Color

32.0579, 0.3493, 0.2434



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

32.0720, 0.3260, 0.2906

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.0579, 0.3493, 0.2434 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(222, 117, 192)` looks like.

```
.text, #text, p{  
    color:rgb(222, 117, 192)  
}
```

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(222, 117, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 117, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 32.0579, 0.3493, 0.2434 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(222, 117, 192) }
```

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

```
.border{ border-color:rgb(222, 117, 192) }
```

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

Here you see how a box with a 4 pixel rgb(222, 117, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 117, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 117, 192);  
box-shadow:4px 4px 4px 4px rgb(222, 117,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.0579, 0.3493, 0.2434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 117, 192) }
```

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

```
.background{ background-color: rgb(222,  
117, 192) }
```

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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