

Converting Colors

$Y_{xy}(32.8674, 0.3174, 0.2068)$

Have a look what the booklet for
Yxy(32.8674, 0.3174, 0.2068)
contains.

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Color

Yxy(32.8674, 0.3174, 0.2068)

Conversions

Conversions Part 1

Format	Color
Hex	E16FE2
RGB	225, 111, 226
RGB Percent	88%, 44%, 89%
CMY	0.1179, 0.5645, 0.1138
CMYK	0.00, 0.51, 0.00, 0.11
HSL	299°, 66%, 66%
HSV	299°, 51%, 89%
XYZ	50.4454, 32.8674, 75.6204
YIQ	158.1960, 31.0290, 59.9330

Conversions

Conversions Part 2

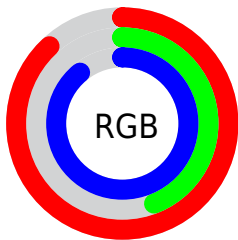
Format	Color
R _Y B	225, 111, 226
Decimal	14774242
CIE Lab	64.05, 59.76, -39.09
CIE LCh	64, 71.414, 326.811
Yxy	32.8674, 0.3174, 0.2068
Android (android.graphics.Color)	4292964322 (0xFFE16FE2)
YUV	158.1960, 33.4274, 58.5871
Hunter-Lab	57.3301, 56.7366, -38.0746

Details

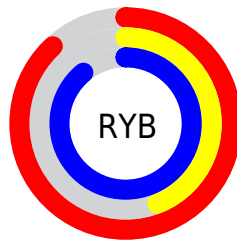
The Yxy color **32.8674, 0.3174, 0.2068** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.9812, 0.3057, 0.4905**, and the grayscale version is **34.1263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **13.8501, 0.3156, 0.1780** is the 20% darker color. If you saturate the color by 10%, you get **28.5096, 0.3180, 0.1880**, and if you desaturate by 10%, it is **38.4756, 0.3166, 0.2286**.

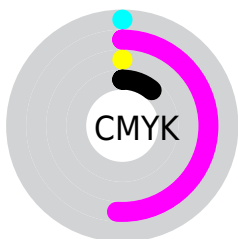
Distribution



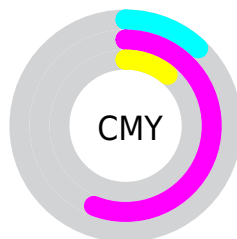
- Red (88%)
- Green (44%)
- Blue (89%)



- Red (88%)
- Yellow (44%)
- Blue (89%)



- Cyan (0%)
- Magenta (51%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (56%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8674, 0.3174, 0.2068 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 32.8674, 0.3174, 0.2068 by changing the saturation by 10% instead.


 32.8674, 0.3174,
0.2068


 32.8674, 0.3174,
0.2068


315.0518, 0.3175,
0.2640


 22.0249, 0.3167,
0.1938


 64.1685, 0.3179,
0.2266

 13.8752, 0.3155,
0.1780


 85.3958, 0.3180,
0.2344

 8.0339, 0.3132,
0.1582

 110.8535, 0.3180,
0.2410

 4.1167, 0.3091,
0.1333

140.9260, 0.3179,
0.2468

 1.7390, 0.3013,
0.1016

175.9977, 0.3178,
0.2519

 0.4487, 0.2875,
0.0543

216.4530, 0.3177,

 0.0000, 0.2542,

0.2564

0.0000

262.6762, 0.3176,
0.2604


 0.0000, 0.0000,
0.0000


 32.8674, 0.3174,
0.2068


 32.8674, 0.3174,
0.2068


 28.5096, 0.3180,
0.1880

 38.4756, 0.3166,
0.2286


 25.3017, 0.3184,
0.1730


 45.4156, 0.3157,
0.2524


 23.1355, 0.3187,
0.1623

 53.7673, 0.3148,
0.2773

 21.8797, 0.3187,
0.1558

 63.6029, 0.3138,
0.3024

 21.3255, 0.3186,
0.1529

 74.9897, 0.3128,
0.3269

■ 87.9909, 0.3118,
0.3505

■ 93.2385, 0.3116,
0.3588

■ 93.2717, 0.3117,
0.3588

■ 93.3050, 0.3118,
0.3588

Harmonies

Analogous

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



32.8674, 0.2201, 0.1772



32.8674, 0.3174, 0.2068



32.8674, 0.4331, 0.2594

Triad

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



32.8674, 0.3174, 0.2068



32.8674, 0.4669, 0.4747



32.8674, 0.1448, 0.2811

Complementary

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



32.8674, 0.3174, 0.2068



58.9812, 0.3057, 0.4905

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.



32.8674, 0.1920, 0.4045



32.8674, 0.3174, 0.2068



32.8674, 0.3772, 0.5324

Square

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



32.8674, 0.3174, 0.2068



32.8674, 0.5225, 0.3984



32.8674, 0.2772, 0.5160



32.8674, 0.1362, 0.2055

Rectangle

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



32.8674, 0.3174, 0.2068



32.8674, 0.4947, 0.3026



32.8674, 0.2772, 0.5160



32.8674, 0.1559, 0.3180

Sweetspot

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



32.8689, 0.3174, 0.2068



77.9112, 0.3142, 0.2918



20.6779, 0.2157, 0.1703



16.0916, 0.3144, 0.2864



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.



32.8689, 0.3174, 0.2068



37.2225, 0.3180, 0.1871



30.4659, 0.3803, 0.2613



13.9290, 0.3137, 0.3059



12.1719, 0.3187, 0.1529



0.8458, 0.3190, 0.1531

Inverse Universe

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



28.7193, 0.4569, 0.3282



31.2061, 0.5059, 0.3283



60.5395, 0.2766, 0.4114



13.7025, 0.3291, 0.3288



9.2278, 0.6391, 0.3294



0.6403, 0.6360, 0.3278

Previews

White Background



This preview shows how the Yxy color 32.8674, 0.3174, 0.2068 looks on a white background.

Color Contrast Check

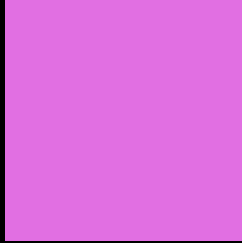
Large Text (above 18pt) WCAG AA × Fail

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 32.8674, 0.3174, 0.2068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

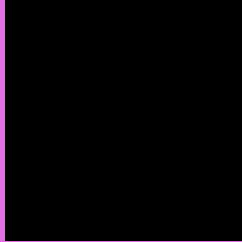
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8674, 0.3174, 0.2068

Background



This preview shows how black text looks on a background with the Yxy color 32.8674, 0.3174, 0.2068.



This preview shows how white text looks on a background with the Yxy color 32.8674, 0.3174, 0.2068.

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

32.8674, 0.3174, 0.2068

Protanopia

33.2539, 0.2148, 0.1972

Deuteranopia

33.1597, 0.2456, 0.2403



Tritanopia

32.9026, 0.3964, 0.3169

Trichromacy



Original Color

32.8674, 0.3174, 0.2068



Protanomaly

31.2930, 0.2420, 0.1962



Deuteranomaly

31.5044, 0.2669, 0.2221



Tritanomaly

32.4925, 0.3665, 0.2709

Monochromacy



Original Color

32.8674, 0.3174, 0.2068



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.4137, 0.3143, 0.2727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8674, 0.3174, 0.2068 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(225, 111, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 111, 226)  
}
```

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(225, 111, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 111, 226) }
```

Border

The CSS property to change the border of an element to Yxy 32.8674, 0.3174, 0.2068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

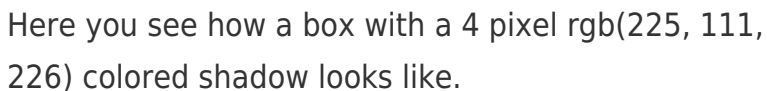
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 111, 226) }
```

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

```
.border{ border-color:rgb(225, 111, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(225, 111, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 111, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 111, 226); box-shadow:4px 4px 4px 4px rgb(225, 111, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8674, 0.3174, 0.2068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 111, 226) }
```

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

```
.background{ background-color: rgb(225,  
111, 226) }
```

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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