

Converting Colors

$Yxy(33.2805, 0.2926, 0.1809)$

Have a look what the booklet for
Yxy(33.2805, 0.2926, 0.1809)
contains.

Yxy(33.4075, 0.2933, 0.1817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.4075, 0.2933, 0.1817)

Conversions

Conversions Part 1

Format	Color
Hex	E16AFD
RGB	225, 106, 253
RGB Percent	88%, 42%, 99%
CMY	0.1178, 0.5842, 0.0079
CMYK	0.11, 0.58, 0.00, 0.01
HSL	289°, 97%, 70%
HSV	289°, 58%, 99%
XYZ	53.9264, 33.4075, 96.5269
YIQ	158.3390, 23.7370, 70.9450

Conversions

Conversions Part 2

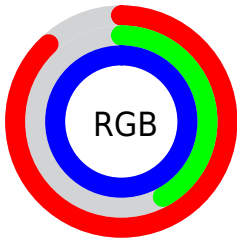
Format	Color
R _Y B	225, 106, 253
Decimal	14772989
CIE Lab	64.49, 66.99, -53.35
CIE LCh	64, 85.640, 321.465
Yxy	33.4075, 0.2933, 0.1817
Android (android.graphics.Color)	4292963069 (0xFFE16AFD)
YUV	158.3390, 46.6679, 58.4617
Hunter-Lab	57.7992, 65.3909, -58.5571

Details

The Yxy color **33.4075, 0.2933, 0.1817** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **76.3593, 0.3175, 0.5097**, and the grayscale version is **34.1340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **14.1255, 0.2830, 0.1497** is the 20% darker color. If you saturate the color by 10%, you get **28.1751, 0.2884, 0.1618**, and if you desaturate by 10%, it is **40.2022, 0.2979, 0.2048**.

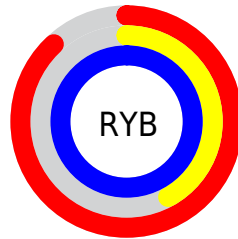
Distribution



Red (88%)

Green (42%)

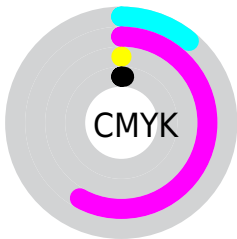
Blue (99%)



Red (88%)

Yellow (42%)

Blue (99%)

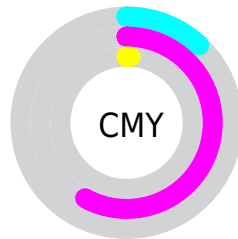


Cyan (11%)

Magenta (58%)

Yellow (0%)

Black (1%)



Cyan (12%)


Magenta (58%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4075, 0.2933, 0.1817 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 33.4075, 0.2933, 0.1817 by changing the saturation by 10% instead.


 33.4075, 0.2933,
0.1817


 33.4075, 0.2933,
0.1817


317.4820, 0.3064,
0.2481


 22.4388, 0.2893,
0.1674


 65.0112, 0.2986,
0.2041

 14.1797, 0.2839,
0.1504


 86.4150, 0.3005,
0.2130

 8.2457, 0.2763,
0.1300


 112.0660, 0.3020,
0.2208

 4.2526, 0.2652,
0.1053

 142.3485, 0.3032,
0.2276

 1.8158, 0.2482,
0.0759

177.6470, 0.3042,
0.2336

 0.4970, 0.2219,
0.0387

218.3458, 0.3050,

 0.0000, 0.1779,

0.2390

0.0000

264.8293, 0.3057,
0.2438

■ 0.0000, 0.0015,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4075, 0.2933,
0.1817

■ 33.4075, 0.2933,
0.1817

■ 28.1751, 0.2884,
0.1618

■ 40.2022, 0.2979,
0.2048

■ 24.3610, 0.2833,
0.1461

■ 48.6779, 0.3019,
0.2302

■ 21.8016, 0.2782,
0.1350

■ 58.9465, 0.3055,
0.2566

■ 20.2715, 0.2731,
0.1283

■ 71.1090, 0.3085,
0.2831

■ 20.0352, 0.2721,
0.1273

■ 85.2590, 0.3110,
0.3090

99.6658, 0.3132,
0.3309

99.8713, 0.3139,
0.3309

Harmonies

Analogous

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



33.4075, 0.1901, 0.1543



33.4075, 0.2933, 0.1817



33.4075, 0.4310, 0.2355

Triad

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



33.4075, 0.2933, 0.1817



33.4075, 0.4987, 0.4710



33.4075, 0.1263, 0.2907

Complementary

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



33.4075, 0.2933, 0.1817



76.3593, 0.3175, 0.5097

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.



33.4075, 0.1844, 0.4491



33.4075, 0.2933, 0.1817



33.4075, 0.3976, 0.5557

Square

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



33.4075, 0.2933, 0.1817



33.4075, 0.5592, 0.3831



33.4075, 0.2848, 0.5704



33.4075, 0.1124, 0.1951

Rectangle

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



33.4075, 0.2933, 0.1817



33.4075, 0.5120, 0.2812



33.4075, 0.2848, 0.5704



33.4075, 0.1401, 0.3384

Sweetspot

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



33.4089, 0.2933, 0.1817



73.8580, 0.3088, 0.2860



27.6042, 0.2070, 0.1763



15.2324, 0.3083, 0.2807



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.



33.4089, 0.2933, 0.1817



27.8246, 0.2874, 0.1584



35.7946, 0.3638, 0.2278



18.1151, 0.3107, 0.3054



10.7197, 0.2730, 0.1277



1.0867, 0.2787, 0.1309

Inverse Universe

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



32.9187, 0.4577, 0.3015



27.6355, 0.5070, 0.3000



75.5173, 0.2856, 0.4629



18.0437, 0.3264, 0.3245



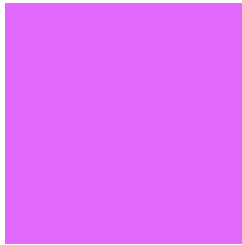
11.2391, 0.6104, 0.3136



1.1086, 0.5811, 0.2975

Previews

White Background



This preview shows how the Yxy color 33.4075, 0.2933, 0.1817 looks on a white background.

Color Contrast Check

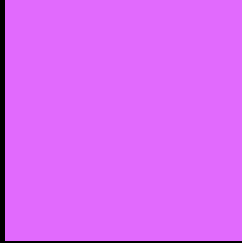
Large Text (above 18pt) WCAG AA × Fail

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 33.4075, 0.2933, 0.1817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

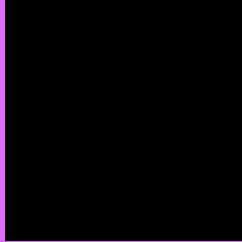
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4075, 0.2933, 0.1817

Background



This preview shows how black text looks on a background with the Yxy color 33.4075, 0.2933, 0.1817.



This preview shows how white text looks on a background with the Yxy color 33.4075, 0.2933, 0.1817.

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

33.4075, 0.2933, 0.1817

Protanopia

33.9760, 0.2159, 0.2000

Deuteranopia

33.6881, 0.2191, 0.2123



Tritanopia

33.0739, 0.3863, 0.3166

Trichromacy



Original Color

33.4075, 0.2933, 0.1817



Protanomaly

32.0156, 0.2371, 0.1881



Deuteranomaly

31.5678, 0.2390, 0.1943



Tritanomaly

32.3231, 0.3497, 0.2576

Monochromacy



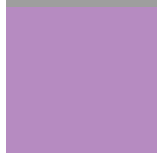
Original Color

33.4075, 0.2933, 0.1817



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.2606, 0.3050, 0.2579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4075, 0.2933, 0.1817 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, 106, 253)` looks like.

```
.text, #text, p{  
    color:rgb(225, 106, 253)  
}
```

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, 106, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 106, 253) }
```

Border

The CSS property to change the border of an element to Yxy 33.4075, 0.2933, 0.1817 is called "border". The border property can be set on classes, ids or directly on the HTML element.

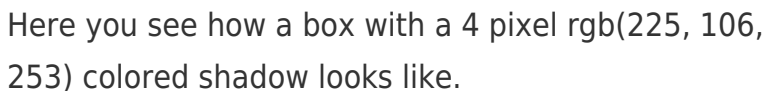
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 106, 253) }
```

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

```
.border{ border-color:rgb(225, 106, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(225, 106, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 106, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 106, 253); box-shadow:4px 4px 4px 4px rgb(225, 106, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4075, 0.2933, 0.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 106, 253) }
```

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

```
.background{ background-color: rgb(225,  
106, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor