

Converting Colors

$Y_{xy}(33.7439, 0.3188, 0.1931)$

Have a look what the booklet for
Yxy(33.7439, 0.3188, 0.1931)
contains.

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Color

Yxy(33.6971, 0.3191, 0.1929)

Conversions

Conversions Part 1

Format	Color
Hex	EF64EF
RGB	239, 100, 239
RGB Percent	94%, 39%, 94%
CMY	0.0626, 0.6079, 0.0626
CMYK	0.00, 0.58, 0.00, 0.06
HSL	300°, 81%, 66%
HSV	300°, 58%, 94%
XYZ	55.7426, 33.6971, 85.2472
YIQ	157.4070, 38.2250, 72.6970

Conversions

Conversions Part 2

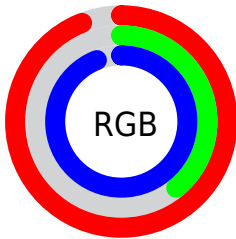
Format	Color
R_{YB}	239, 100, 239
Decimal	15688943
CIE _{Lab}	64.72, 70.59, -45.16
CIE _{LCh}	65, 83.795, 327.390
Yxy	33.6971, 0.3191, 0.1929
Android (android.graphics.Color)	4293879023 (0xFFEF64EF)
YUV	157.4070, 40.2253, 71.5571
Hunter-Lab	58.0492, 69.8211, -46.4349

Details

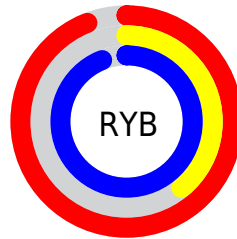
The Yxy color **33.6971, 0.3191, 0.1929** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **65.3760, 0.3039, 0.5170**, and the grayscale version is **33.7103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **14.3424, 0.3178, 0.1634** is the 20% darker color. If you saturate the color by 10%, you get **29.7678, 0.3198, 0.1770**, and if you desaturate by 10%, it is **38.9739, 0.3182, 0.2124**.

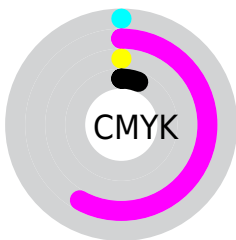
Distribution



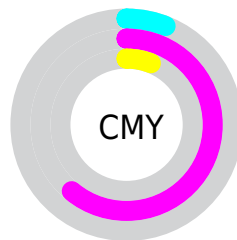
- Red (94%)
- Green (39%)
- Blue (94%)



- Red (94%)
- Yellow (39%)
- Blue (94%)



- Cyan (0%)
- Magenta (58%)
- Yellow (0%)
- Black (6%)




- Cyan (6%)
- Magenta (61%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6971, 0.3191, 0.1929 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 33.6971, 0.3191, 0.1929 by changing the saturation by 10% instead.


 33.6971, 0.3191,
0.1929


 33.6971, 0.3191,
0.1929


318.7793, 0.3190,
0.2550

 22.6610, 0.3183,
0.1793


 65.4624, 0.3197,
0.2140


 14.3434, 0.3169,
0.1629


 86.9603, 0.3197,
0.2224

 8.3599, 0.3145,
0.1429


 112.7143, 0.3197,
0.2296

 4.3261, 0.3100,
0.1183

 143.1088, 0.3196,
0.2360

 1.8576, 0.3018,
0.0881

178.5282, 0.3195,
0.2416

 0.5227, 0.2870,
0.0482

219.3568, 0.3193,

 0.0000, 0.2567,

0.2465

0.0000

265.9790, 0.3192,
0.2510

0.0000, 0.0783,
0.0000

0.0000, 0.0000,
0.0000

33.6971, 0.3191,
0.1929

33.6971, 0.3191,
0.1929

29.7678, 0.3198,
0.1770

38.9739, 0.3182,
0.2124

27.0599, 0.3204,
0.1654


45.7004, 0.3171,
0.2347

25.4318, 0.3207,
0.1580

53.9741, 0.3160,
0.2589

24.6832, 0.3209,
0.1546


63.8830, 0.3148,
0.2839


 24.5884, 0.3209,
0.1542

 75.5082, 0.3137,
0.3090

 88.9256, 0.3125,
0.3334

 96.1088, 0.3120,
0.3448

 96.1088, 0.3120,
0.3448

 96.1089, 0.3120,
0.3448

Harmonies

Analogous

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



33.6971, 0.2088, 0.1603



33.6971, 0.3191, 0.1929



33.6971, 0.4542, 0.2503

Triad

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



33.6971, 0.3191, 0.1929



33.6971, 0.4788, 0.4876



33.6971, 0.1238, 0.2682

Complementary

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



33.6971, 0.3191, 0.1929



65.3760, 0.3039, 0.5170

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.



33.6971, 0.1722, 0.4136



33.6971, 0.3191, 0.1929



33.6971, 0.3758, 0.5624

Square

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



33.6971, 0.3191, 0.1929



33.6971, 0.5480, 0.3998



33.6971, 0.2649, 0.5503



33.6971, 0.1170, 0.1868

Rectangle

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



33.6971, 0.3191, 0.1929



33.6971, 0.5249, 0.2969



33.6971, 0.2649, 0.5503



33.6971, 0.1347, 0.3103

Sweetspot

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



33.6986, 0.3191, 0.1929



75.3921, 0.3147, 0.2867



18.5024, 0.2001, 0.1445



15.5986, 0.3149, 0.2817



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.



33.6986, 0.3191, 0.1929



33.7178, 0.3200, 0.1743



30.4369, 0.3955, 0.2529



16.0314, 0.3138, 0.3057



13.5848, 0.3209, 0.1542



1.1301, 0.3209, 0.1542

Inverse Universe

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



28.3850, 0.4929, 0.3295



27.0269, 0.5512, 0.3297



67.2531, 0.2734, 0.4264



15.7589, 0.3293, 0.3291



10.1410, 0.6401, 0.3300



0.8436, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 33.6971, 0.3191, 0.1929 looks on a white background.

Color Contrast Check

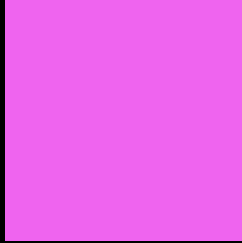
Large Text (above 18pt) WCAG AA × Fail

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 33.6971, 0.3191, 0.1929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

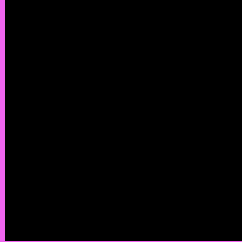
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6971, 0.3191, 0.1929

Background



This preview shows how black text looks on a background with the Yxy color 33.6971, 0.3191, 0.1929.

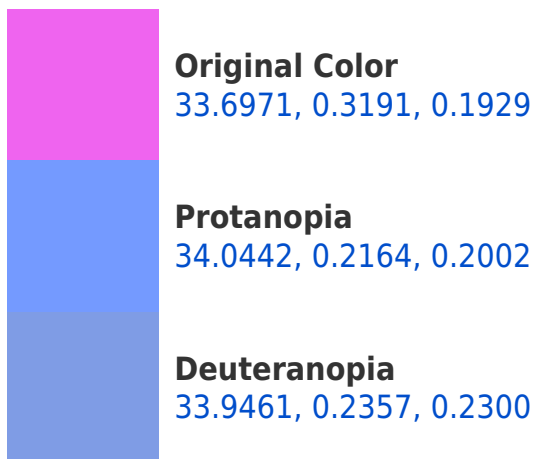


This preview shows how white text looks on a background with the Yxy color 33.6971, 0.3191, 0.1929.

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





Tritanopia

33.5754, 0.4169, 0.3188

Trichromacy



Original Color

33.6971, 0.3191, 0.1929



Protanomaly

31.4668, 0.2438, 0.1903



Deuteranomaly

31.8163, 0.2599, 0.2085



Tritanomaly

33.0018, 0.3796, 0.2661

Monochromacy



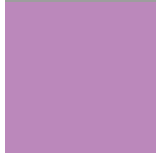
Original Color

33.6971, 0.3191, 0.1929



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.7610, 0.3159, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6971, 0.3191, 0.1929 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(239, 100, 239)` looks like.

```
.text, #text, p{  
    color:rgb(239, 100, 239)  
}
```

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(239, 100, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 100, 239) }
```

Border

The CSS property to change the border of an element to Yxy 33.6971, 0.3191, 0.1929 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(239, 100, 239) }
```

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

```
.border{ border-color:rgb(239, 100, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 100, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 100, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 100, 239);  
box-shadow:4px 4px 4px 4px rgb(239, 100,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6971, 0.3191, 0.1929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 100, 239) }
```

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

```
.background{ background-color: rgb(239,  
100, 239) }
```

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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