

Converting Colors

$Y_{xy}(29.1052, 0.3271, 0.1834)$

Have a look what the booklet for
Yxy(29.1052, 0.3271, 0.1834)
contains.

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Color

Yxy(29.1665, 0.3269, 0.1836)

Conversions

Conversions Part 1

Format	Color
Hex	ED4EE6
RGB	237, 78, 230
RGB Percent	93%, 31%, 90%
CMY	0.0706, 0.6941, 0.0980
CMYK	0.00, 0.67, 0.03, 0.07
HSL	303°, 82%, 62%
HSV	303°, 67%, 93%
XYZ	51.9310, 29.1665, 77.7614
YIQ	142.8690, 45.9720, 80.9800

Conversions

Conversions Part 2

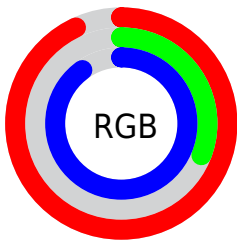
Format	Color
R _Y B	237, 78, 230
Decimal	15552230
CIE Lab	60.93, 77.17, -46.14
CIE LCh	61, 89.910, 329.127
Yxy	29.1665, 0.3269, 0.1836
Android (android.graphics.Color)	4293742310 (0xFFED4EE6)
YUV	142.8690, 42.9556, 82.5529
Hunter-Lab	54.0060, 77.1311, -47.5655

Details

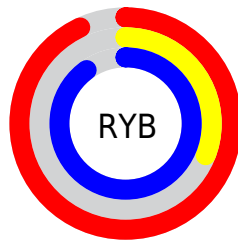
The Yxy color **29.1665, 0.3269, 0.1836** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **62.8401, 0.3003, 0.5381**, and the grayscale version is **27.2282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6570, 0.3180, 0.2170**, and **12.4031, 0.3252, 0.1565** is the 20% darker color. If you saturate the color by 10%, you get **26.3264, 0.3288, 0.1718**, and if you desaturate by 10%, it is **33.2223, 0.3248, 0.1995**.

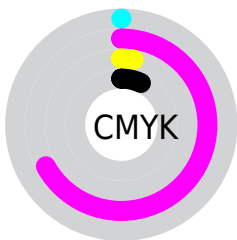
Distribution



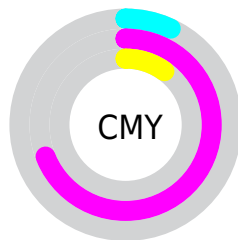
- Red (93%)
- Green (31%)
- Blue (90%)



- Red (93%)
- Yellow (31%)
- Blue (90%)



- Cyan (0%)
- Magenta (67%)
- Yellow (3%)
- Black (7%)




- Cyan (7%)
- Magenta (69%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1665, 0.3269, 0.1836 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 29.1665, 0.3269, 0.1836 by changing the saturation by 10% instead.


 29.1665, 0.3269,
0.1836


 29.1665, 0.3269,
0.1836


297.9997, 0.3233,
0.2506


 19.2068, 0.3268,
0.1689


 58.3415, 0.3263,
0.2065


 11.8198, 0.3262,
0.1511


 78.3256, 0.3259,
0.2155

 6.6211, 0.3246,
0.1295


 102.4200, 0.3255,
0.2233

 3.2263, 0.3209,
0.1031

 131.0091, 0.3250,
0.2302

 1.2510, 0.3130,
0.0714

164.4772, 0.3245,
0.2362

 0.1028, 0.3030,
0.0121

203.2087, 0.3241,


 0.0000, 0.2591,


0.2415


0.0000


247.5881, 0.3237,
0.2463

 0.0000, 0.0000,
0.0000

 29.1665, 0.3269,
0.1836


 29.1665, 0.3269,
0.1836

 26.3264, 0.3288,
0.1718


 33.2223, 0.3248,
0.1995

 24.5606, 0.3305,
0.1644

 38.6069, 0.3226,
0.2189


 23.6931, 0.3320,
0.1610

 45.4247, 0.3203,
0.2408


 23.5261, 0.3324,
0.1605

 53.7690, 0.3181,
0.2643

 63.7249, 0.3160,
0.2885

 75.3714, 0.3140,
0.3125

 88.7823, 0.3122,
0.3357

 95.7161, 0.3111,
0.3456

 95.7775, 0.3105,
0.3445

Harmonies

Analogous

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



29.1665, 0.2035, 0.1476



29.1665, 0.3269, 0.1836



29.1665, 0.4790, 0.2454

Triad

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



29.1665, 0.3269, 0.1836



29.1665, 0.4815, 0.5003



29.1665, 0.1060, 0.2510

Complementary

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



29.1665, 0.3269, 0.1836



62.8401, 0.3003, 0.5381

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.



29.1665, 0.1519, 0.4126



29.1665, 0.3269, 0.1836



29.1665, 0.3666, 0.5898

Square

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



29.1665, 0.3269, 0.1836



29.1665, 0.5655, 0.4025



29.1665, 0.2480, 0.5776



29.1665, 0.1025, 0.1690

Rectangle

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



29.1665, 0.3269, 0.1836



29.1665, 0.5547, 0.2944



29.1665, 0.2480, 0.5776



29.1665, 0.1158, 0.2960

Sweetspot

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



29.1679, 0.3269, 0.1836



71.5223, 0.3166, 0.2812



13.4184, 0.1853, 0.1151



14.5918, 0.3172, 0.2744



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.



29.1679, 0.3269, 0.1836



30.2838, 0.3294, 0.1689



25.7279, 0.4268, 0.2534



15.3017, 0.3145, 0.3068



12.8507, 0.3322, 0.1604



1.0126, 0.3305, 0.1594

Inverse Universe

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



29.1679, 0.3269, 0.1836



30.2838, 0.3294, 0.1689



64.8215, 0.2671, 0.4327



15.3017, 0.3145, 0.3068



12.8507, 0.3322, 0.1604



1.0126, 0.3305, 0.1594

Previews

White Background



This preview shows how the Yxy color 29.1665, 0.3269, 0.1836 looks on a white background.

Color Contrast Check

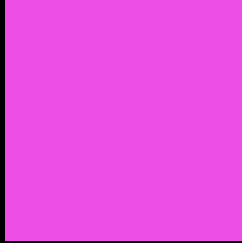
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1665, 0.3269, 0.1836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

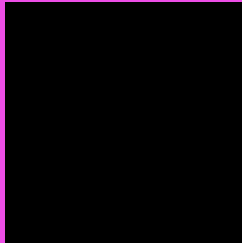
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1665, 0.3269, 0.1836

Background



This preview shows how black text looks on a background with the Yxy color 29.1665, 0.3269, 0.1836.

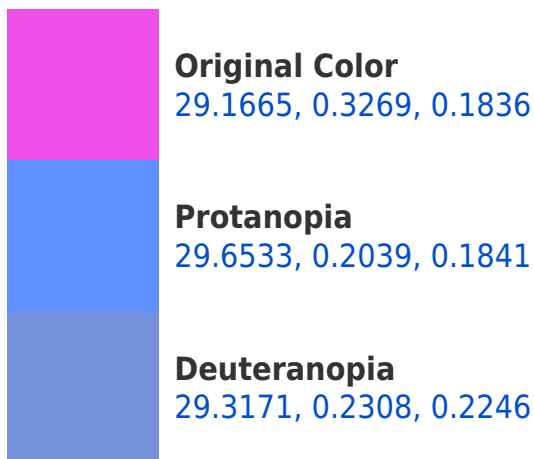


This preview shows how white text looks on a background with the Yxy color 29.1665, 0.3269, 0.1836.

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

28.9520, 0.4450, 0.3202

Trichromacy



Original Color

29.1665, 0.3269, 0.1836



Protanomaly

26.2898, 0.2327, 0.1729



Deuteranomaly

26.3734, 0.2573, 0.1969



Tritanomaly

28.3104, 0.4003, 0.2622

Monochromacy



Original Color

29.1665, 0.3269, 0.1836



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.6359, 0.3186, 0.2516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1665, 0.3269, 0.1836 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, 78, 230)` looks like.

```
.text, #text, p{  
  color:rgb(237, 78, 230)  
}
```

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, 78, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 78, 230) }
```

Border

The CSS property to change the border of an element to Yxy 29.1665, 0.3269, 0.1836 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, 78, 230) }
```

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

```
.border{ border-color:rgb(237, 78, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 78, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 78, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 78, 230);  
box-shadow:4px 4px 4px 4px rgb(237, 78,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1665, 0.3269, 0.1836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 78, 230) }
```

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

```
.background{ background-color: rgb(237, 78,  
230) }
```

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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