

Converting Colors

$Y_{xy}(28.4811, 0.3224, 0.1906)$

Have a look what the booklet for
Yxy(28.4811, 0.3224, 0.1906)
contains.

Yxy(28.4759, 0.3224, 0.1906)	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(28.4759, 0.3224, 0.1906)

Conversions

Conversions Part 1

Format	Color
Hex	E258DF
RGB	226, 88, 223
RGB Percent	89%, 35%, 87%
CMY	0.1138, 0.6548, 0.1256
CMYK	0.00, 0.61, 0.01, 0.11
HSL	301°, 70%, 62%
HSV	301°, 61%, 89%
XYZ	48.1670, 28.4759, 72.7585
YIQ	144.6520, 38.9130, 71.2410

Conversions

Conversions Part 2

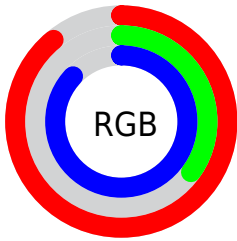
Format	Color
R _Y B	226, 88, 223
Decimal	14833887
CIE _{Lab}	60.32, 69.68, -43.27
CIE _{LCh}	60, 82.027, 328.161
Y _{xy}	28.4759, 0.3224, 0.1906
Android (android.graphics.Color)	4293023967 (0xFFE258DF)
YUV	144.6520, 38.6256, 71.3422
Hunter-Lab	53.3628, 67.7349, -43.4860

Details

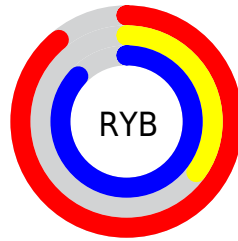
The Yxy color **28.4759, 0.3224, 0.1906** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **57.2154, 0.3023, 0.5224**, and the grayscale version is **28.0000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0378, 0.3176, 0.2239**, and **11.4064, 0.3207, 0.1583** is the 20% darker color. If you saturate the color by 10%, you get **25.2967, 0.3237, 0.1760**, and if you desaturate by 10%, it is **32.8073, 0.3209, 0.2089**.

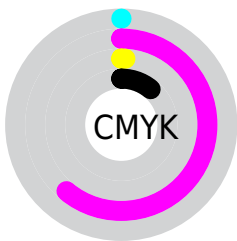
Distribution



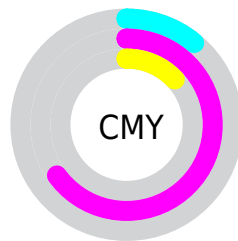
- Red (89%)
- Green (35%)
- Blue (87%)



- Red (89%)
- Yellow (35%)
- Blue (87%)



- Cyan (0%)
- Magenta (61%)
- Yellow (1%)
- Black (11%)




- Cyan (11%)
- Magenta (65%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4759, 0.3224, 0.1906 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 28.4759, 0.3224, 0.1906 by changing the saturation by 10% instead.


 28.4759, 0.3224,
0.1906


 28.4759, 0.3224,
0.1906


294.7340, 0.3207,
0.2554


 18.6847, 0.3219,
0.1760


 57.2433, 0.3225,
0.2130


 11.4427, 0.3208,
0.1583


 76.9884, 0.3223,
0.2217

 6.3654, 0.3186,
0.1365


 100.8202, 0.3220,
0.2293

 3.0685, 0.3141,
0.1095

 129.1231, 0.3218,
0.2359

 1.1676, 0.3048,
0.0762

162.2815, 0.3215,
0.2417

 0.0350, 0.2949,
0.0049

200.6799, 0.3212,

 0.0000, 0.2398,

0.2468

0.0000

244.7026, 0.3209,
0.2513

■ 0.0000, 0.0000,
0.0000

■ 28.4759, 0.3224,
0.1906

■ 28.4759, 0.3224,
0.1906

■ 25.2967, 0.3237,
0.1760

■ 32.8073, 0.3209,
0.2089

■ 23.1557, 0.3249,
0.1657

■ 38.3831, 0.3193,
0.2302

■ 21.9224, 0.3258,
0.1597

■ 45.2908, 0.3176,
0.2536

■ 21.3902, 0.3265,
0.1572

■ 53.6088, 0.3160,
0.2779

■ 63.4095, 0.3144,
0.3025

■ 74.7602, 0.3129,
0.3265

■ 87.7243, 0.3115,
0.3496

■ 93.2273, 0.3108,
0.3578

■ 93.2544, 0.3105,
0.3573

Harmonies

Analogous

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



28.4759, 0.2080, 0.1568



28.4759, 0.3224, 0.1906



28.4759, 0.4623, 0.2495

Triad

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



28.4759, 0.3224, 0.1906



28.4759, 0.4791, 0.4922



28.4759, 0.1184, 0.2624

Complementary

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



28.4759, 0.3224, 0.1906



57.2154, 0.3023, 0.5224

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.



28.4759, 0.1657, 0.4120



28.4759, 0.3224, 0.1906



28.4759, 0.3726, 0.5707

Square

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



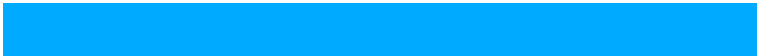
28.4759, 0.3224, 0.1906



28.4759, 0.5529, 0.4015



28.4759, 0.2593, 0.5573



28.4759, 0.1128, 0.1812

Rectangle

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



28.4759, 0.3224, 0.1906



28.4759, 0.5340, 0.2969



28.4759, 0.2593, 0.5573



28.4759, 0.1289, 0.3051

Sweetspot

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



28.4772, 0.3224, 0.1906



74.0659, 0.3155, 0.2851



14.6646, 0.1956, 0.1336



15.0892, 0.3160, 0.2779



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.



28.4772, 0.3224, 0.1906



32.4600, 0.3240, 0.1731



25.5070, 0.4078, 0.2553



13.9302, 0.3141, 0.3064



12.2077, 0.3264, 0.1572



0.8478, 0.3255, 0.1567

Inverse Universe

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



28.4772, 0.3224, 0.1906



32.4600, 0.3240, 0.1731



58.9734, 0.2702, 0.4248



13.9302, 0.3141, 0.3064



12.2077, 0.3264, 0.1572



0.8478, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 28.4759, 0.3224, 0.1906 looks on a white background.

Color Contrast Check

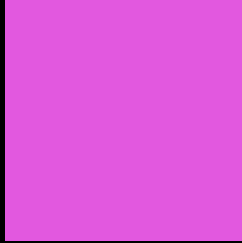
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4759, 0.3224, 0.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

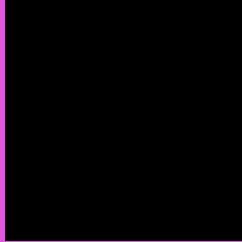
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4759, 0.3224, 0.1906

Background



This preview shows how black text looks on a background with the Yxy color 28.4759, 0.3224, 0.1906.

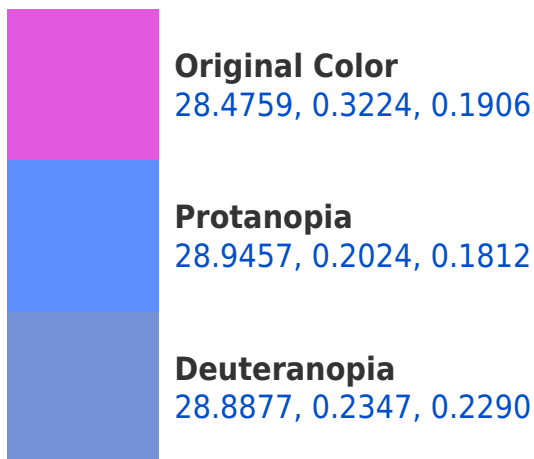


This preview shows how white text looks on a background with the Yxy color 28.4759, 0.3224, 0.1906.

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

28.3931, 0.4266, 0.3196

Trichromacy



Original Color

28.4759, 0.3224, 0.1906



Protanomaly

26.1409, 0.2310, 0.1761



Deuteranomaly

26.5932, 0.2603, 0.2058



Tritanomaly

27.9062, 0.3873, 0.2655

Monochromacy



Original Color

28.4759, 0.3224, 0.1906



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.4311, 0.3171, 0.2602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4759, 0.3224, 0.1906 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(226, 88, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 88, 223)  
}
```

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(226, 88, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 88, 223) }
```

Border

The CSS property to change the border of an element to Yxy 28.4759, 0.3224, 0.1906 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(226, 88, 223) }
```

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

```
.border{ border-color:rgb(226, 88, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 88, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 88, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 88, 223);  
box-shadow:4px 4px 4px 4px rgb(226, 88,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4759, 0.3224, 0.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 88, 223) }
```

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

```
.background{ background-color: rgb(226, 88,  
223) }
```

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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