

Converting Colors

$Y_{xy}(26.9957, 0.3002, 0.1768)$

Have a look what the booklet for
Yxy(26.9957, 0.3002, 0.1768)
contains.

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Color

Yxy(26.9957, 0.3002, 0.1768)

Conversions

Conversions Part 1

Format	Color
Hex	D657E9
RGB	214, 87, 233
RGB Percent	84%, 34%, 91%
CMY	0.1609, 0.6587, 0.0864
CMYK	0.08, 0.63, 0.00, 0.09
HSL	292°, 77%, 63%
HSV	292°, 63%, 91%
XYZ	45.8377, 26.9957, 79.8572
YIQ	141.6170, 28.8260, 72.3300

Conversions

Conversions Part 2

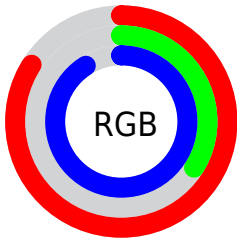
Format	Color
R _Y B	214, 87, 233
Decimal	14047209
CIE Lab	58.97, 68.95, -51.10
CIE LCh	59, 85.826, 323.456
Yxy	26.9957, 0.3002, 0.1768
Android (android.graphics.Color)	4292237289 (0xFFD657E9)
YUV	141.6170, 45.0518, 63.4799
Hunter-Lab	51.9574, 66.5504, -54.7571

Details

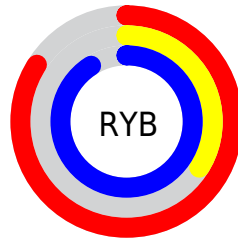
The Yxy color **26.9957, 0.3002, 0.1768** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **62.0115, 0.3122, 0.5261**, and the grayscale version is **26.7073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **10.6749, 0.2913, 0.1423** is the 20% darker color. If you saturate the color by 10%, you get **23.3600, 0.2970, 0.1600**, and if you desaturate by 10%, it is **31.8590, 0.3031, 0.1974**.

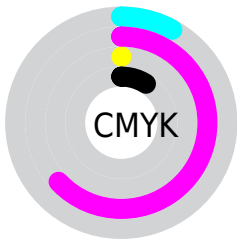
Distribution



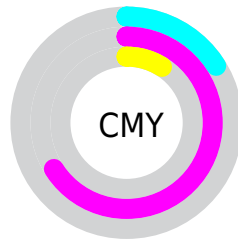
- Red (84%)
- Green (34%)
- Blue (91%)



- Red (84%)
- Yellow (34%)
- Blue (91%)



- Cyan (8%)
- Magenta (63%)
- Yellow (0%)
- Black (9%)




- Cyan (16%)
- Magenta (66%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9957, 0.3002, 0.1768 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 26.9957, 0.3002, 0.1768 by changing the saturation by 10% instead.

 26.9957, 0.3002,
0.1768


 26.9957, 0.3002,
0.1768


287.6363, 0.3104,
0.2474


 17.5700, 0.2966,
0.1612


 54.8770, 0.3047,
0.2010

 10.6417, 0.2915,
0.1425

 74.1013, 0.3062,
0.2105

 5.8265, 0.2839,
0.1199


 97.3607, 0.3073,
0.2187

 2.7398, 0.2722,
0.0925

 125.0394, 0.3082,
0.2259

 0.9975, 0.2531,
0.0603

157.5220, 0.3089,
0.2323

 0.0000, 0.2260,
0.0000

195.1927, 0.3095,


 0.0000, 0.1531,


0.2379

0.0000


238.4360, 0.3100,
0.2429

 0.0000, 0.0000,
0.0000


 26.9957, 0.3002,
0.1768


 26.9957, 0.3002,
0.1768


 23.3600, 0.2970,
0.1600


 31.8590, 0.3031,
0.1974

 20.8265, 0.2937,
0.1475


 38.0522, 0.3057,
0.2207

 19.2491, 0.2903,
0.1395


 45.6709, 0.3080,
0.2459


 18.5285, 0.2878,
0.1359

 54.8007, 0.3098,
0.2718

 65.5207, 0.3113,
0.2976

 77.9042, 0.3125,
0.3226

 92.0201, 0.3133,
0.3463

 95.6173, 0.3150,
0.3510

 96.1471, 0.3169,
0.3509

Harmonies

Analogous

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



26.9957, 0.1884, 0.1466



26.9957, 0.3002, 0.1768



26.9957, 0.4490, 0.2340

Triad

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



26.9957, 0.3002, 0.1768



26.9957, 0.4992, 0.4802



26.9957, 0.1139, 0.2769

Complementary

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



26.9957, 0.3002, 0.1768



62.0115, 0.3122, 0.5261

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.



26.9957, 0.1693, 0.4466



26.9957, 0.3002, 0.1768



26.9957, 0.3896, 0.5731

Square

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



26.9957, 0.3002, 0.1768



26.9957, 0.5707, 0.3865



26.9957, 0.2716, 0.5871



26.9957, 0.1032, 0.1820

Rectangle

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



26.9957, 0.3002, 0.1768



26.9957, 0.5332, 0.2816



26.9957, 0.2716, 0.5871



26.9957, 0.1266, 0.3264

Sweetspot

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



26.9969, 0.3002, 0.1768



71.7118, 0.3104, 0.2810



18.3205, 0.1962, 0.1508



14.5751, 0.3099, 0.2735



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.



26.9969, 0.3002, 0.1768



27.7006, 0.2961, 0.1561



27.4139, 0.3816, 0.2315



15.2086, 0.3117, 0.3056



10.5559, 0.2883, 0.1362



0.8566, 0.2931, 0.1388

Inverse Universe

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



25.1819, 0.4877, 0.3101



25.6138, 0.5442, 0.3108



62.1946, 0.2801, 0.4605



15.0859, 0.3272, 0.3260



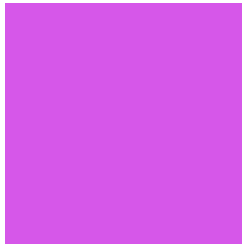
9.8939, 0.6231, 0.3206



0.7871, 0.5920, 0.3035

Previews

White Background



This preview shows how the Yxy color 26.9957, 0.3002, 0.1768 looks on a white background.

Color Contrast Check

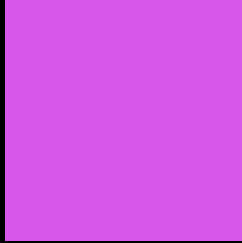
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9957, 0.3002, 0.1768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

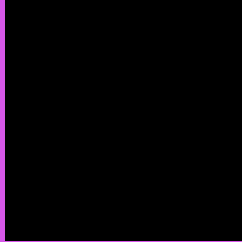
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9957, 0.3002, 0.1768

Background



This preview shows how black text looks on a background with the Yxy color 26.9957, 0.3002, 0.1768.

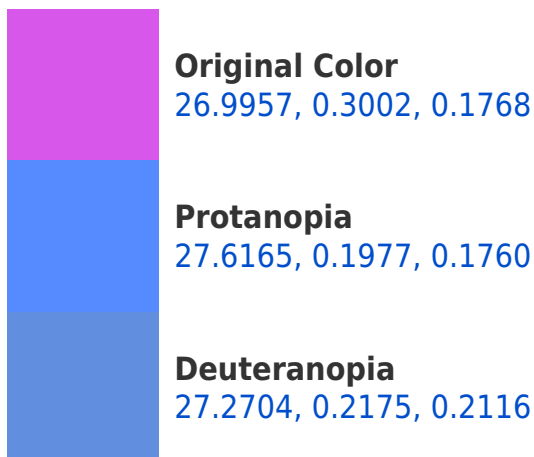


This preview shows how white text looks on a background with the Yxy color 26.9957, 0.3002, 0.1768.

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

26.7685, 0.4046, 0.3174

Trichromacy



Original Color

26.9957, 0.3002, 0.1768



Protanomaly

25.0539, 0.2214, 0.1680



Deuteranomaly

25.0406, 0.2388, 0.1890



Tritanomaly

26.2477, 0.3632, 0.2555

Monochromacy



Original Color

26.9957, 0.3002, 0.1768



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.3390, 0.3084, 0.2534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9957, 0.3002, 0.1768 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(214, 87, 233)` looks like.

```
.text, #text, p{  
    color:rgb(214, 87, 233)  
}
```

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(214, 87, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 87, 233) }
```

Border

The CSS property to change the border of an element to Yxy 26.9957, 0.3002, 0.1768 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(214, 87, 233) }
```

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

```
.border{ border-color:rgb(214, 87, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 87, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 87, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 87, 233);  
box-shadow:4px 4px 4px 4px rgb(214, 87,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9957, 0.3002, 0.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 87, 233) }
```

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

```
.background{ background-color: rgb(214, 87,  
233) }
```

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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