

Converting Colors

$Y_{xy}(26.9146, 0.3168, 0.1822)$

Have a look what the booklet for
Yxy(26.9146, 0.3168, 0.1822)
contains.

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Color

Yxy(26.8507, 0.3164, 0.1821)

Conversions

Conversions Part 1

Format	Color
Hex	DE51E1
RGB	222, 81, 225
RGB Percent	87%, 32%, 88%
CMY	0.1294, 0.6823, 0.1177
CMYK	0.01, 0.64, 0.00, 0.12
HSL	299°, 71%, 60%
HSV	299°, 64%, 88%
XYZ	46.6533, 26.8507, 73.9463
YIQ	139.5750, 37.8120, 74.6760

Conversions

Conversions Part 2

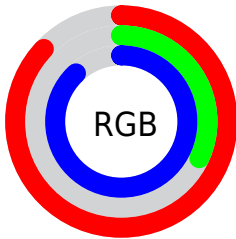
Format	Color
R _Y B	222, 81, 225
Decimal	14569953
CIE Lab	58.84, 71.84, -46.77
CIE LCh	59, 85.727, 326.936
Yxy	26.8507, 0.3164, 0.1821
Android (android.graphics.Color)	4292760033 (0xFFDE51E1)
YUV	139.5750, 42.1145, 72.2867
Hunter-Lab	51.8177, 70.0290, -48.3374

Details

The Yxy color **26.8507, 0.3164, 0.1821** 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 **56.3218, 0.3043, 0.5346**, and the grayscale version is **25.8787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9452, 0.3179, 0.2178**, and **10.6511, 0.3121, 0.1493** is the 20% darker color. If you saturate the color by 10%, you get **23.9692, 0.3164, 0.1681**, and if you desaturate by 10%, it is **30.8421, 0.3162, 0.2000**.

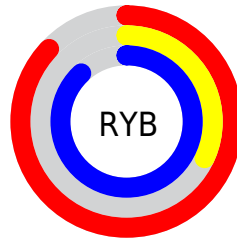
Distribution



Red (87%)

Green (32%)

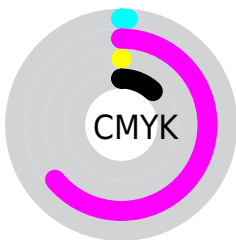
Blue (88%)



Red (87%)

Yellow (32%)

Blue (88%)

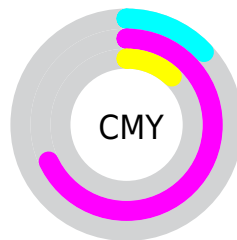


Cyan (1%)

Magenta (64%)

Yellow (0%)

Black (12%)



Cyan (13%)

Magenta (68%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8507, 0.3164, 0.1821 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 26.8507, 0.3164, 0.1821 by changing the saturation by 10% instead.


 26.8507, 0.3164,
0.1821


 26.8507, 0.3164,
0.1821


286.9335, 0.3181,
0.2507


 17.4611, 0.3149,
0.1668


 54.6442, 0.3178,
0.2057


 10.5638, 0.3125,
0.1483


 73.8169, 0.3181,
0.2150

 5.7743, 0.3084,
0.1257


 97.0195, 0.3183,
0.2230

 2.7084, 0.3012,
0.0980

 124.6362, 0.3183,
0.2300

 0.9814, 0.2879,
0.0649

157.0516, 0.3183,
0.2361

 0.0000, 0.2697,
0.0000

194.6500, 0.3183,

 0.0000, 0.2027,

0.2415


0.0000

237.8159, 0.3182,
0.2464

 0.0000, 0.0000,
0.0000


 26.8507, 0.3164,
0.1821


 26.8507, 0.3164,
0.1821

 23.9692, 0.3164,
0.1681


 30.8421, 0.3162,
0.2000

 22.0797, 0.3163,
0.1585

 36.0385, 0.3158,
0.2211


 21.0446, 0.3159,
0.1531


 42.5288, 0.3152,
0.2446


 20.6991, 0.3157,
0.1513


 50.3927, 0.3146,
0.2693

 59.7034, 0.3138,
0.2945

 70.5289, 0.3130,
0.3193

 82.9330, 0.3122,
0.3432

 93.0810, 0.3117,
0.3599

 93.1566, 0.3120,
0.3598

Harmonies

Analogous

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



26.8507, 0.1985, 0.1485



26.8507, 0.3164, 0.1821



26.8507, 0.4657, 0.2418

Triad

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



26.8507, 0.3164, 0.1821



26.8507, 0.4877, 0.4919



26.8507, 0.1106, 0.2618

Complementary

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



26.8507, 0.3164, 0.1821



56.3218, 0.3043, 0.5346

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.



26.8507, 0.1601, 0.4249



26.8507, 0.3164, 0.1821



26.8507, 0.3759, 0.5812

Square

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



26.8507, 0.3164, 0.1821



26.8507, 0.5658, 0.3966



26.8507, 0.2582, 0.5786



26.8507, 0.1042, 0.1754

Rectangle

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



26.8507, 0.3164, 0.1821



26.8507, 0.5441, 0.2902



26.8507, 0.2582, 0.5786



26.8507, 0.1215, 0.3081

Sweetspot

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



26.8519, 0.3164, 0.1821



72.6974, 0.3142, 0.2816



13.8128, 0.1898, 0.1292



14.8171, 0.3144, 0.2743



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.



26.8519, 0.3164, 0.1821



30.8062, 0.3164, 0.1642



24.3550, 0.4041, 0.2452



13.9204, 0.3135, 0.3059



11.9364, 0.3158, 0.1513



0.8321, 0.3166, 0.1518

Inverse Universe

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



22.5336, 0.5159, 0.3266



24.7080, 0.5784, 0.3272



57.7368, 0.2728, 0.4415



13.7051, 0.3289, 0.3286



9.2323, 0.6377, 0.3287



0.6416, 0.6309, 0.3249

Previews

White Background



This preview shows how the Yxy color 26.8507, 0.3164, 0.1821 looks on a white background.

Color Contrast Check

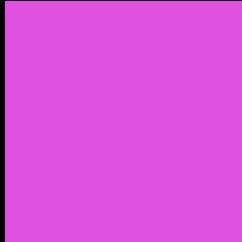
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8507, 0.3164, 0.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

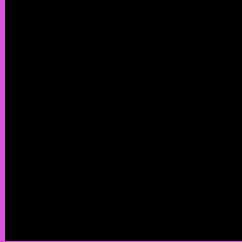
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8507, 0.3164, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 26.8507, 0.3164, 0.1821.



This preview shows how white text looks on a background with the Yxy color 26.8507, 0.3164, 0.1821.

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

26.8507, 0.3164, 0.1821

Protanopia

27.3283, 0.1974, 0.1747

Deuteranopia

27.0818, 0.2265, 0.2202



Tritanopia

26.6705, 0.4273, 0.3181

Trichromacy



Original Color

26.8507, 0.3164, 0.1821



Protanomaly

24.4051, 0.2244, 0.1675



Deuteranomaly

24.6977, 0.2510, 0.1951



Tritanomaly

26.1067, 0.3843, 0.2596

Monochromacy



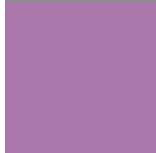
Original Color

26.8507, 0.3164, 0.1821



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.6800, 0.3151, 0.2547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8507, 0.3164, 0.1821 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(222, 81, 225)` looks like.

```
.text, #text, p{  
    color:rgb(222, 81, 225)  
}
```

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(222, 81, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 81, 225) }
```

Border

The CSS property to change the border of an element to Yxy 26.8507, 0.3164, 0.1821 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(222, 81, 225) }
```

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

```
.border{ border-color:rgb(222, 81, 225) }
```

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

Here you see how a box with a 4 pixel rgb(222, 81, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 81, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 81, 225);  
box-shadow:4px 4px 4px 4px rgb(222, 81,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8507, 0.3164, 0.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 81, 225) }
```

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

```
.background{ background-color: rgb(222, 81,  
225) }
```

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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