

Converting Colors

$Y_{xy}(26.3812, 0.3132, 0.1806)$

Have a look what the booklet for
Yxy(26.3812, 0.3132, 0.1806)
contains.

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Color

Yxy(26.3812, 0.3132, 0.1806)

Conversions

Conversions Part 1

Format	Color
Hex	DB51E1
RGB	219, 81, 225
RGB Percent	86%, 32%, 88%
CMY	0.1412, 0.6824, 0.1175
CMYK	0.03, 0.64, 0.00, 0.12
HSL	297°, 71%, 60%
HSV	297°, 64%, 88%
XYZ	45.7508, 26.3812, 73.9433
YIQ	138.6780, 36.0240, 74.0400

Conversions

Conversions Part 2

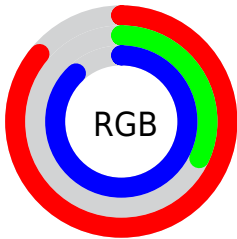
Format	Color
R _Y B	219, 81, 225
Decimal	14373345
CIE Lab	58.40, 71.18, -47.53
CIE LCh	58, 85.584, 326.268
Yxy	26.3812, 0.3132, 0.1806
Android (android.graphics.Color)	4292563425 (0xFFDB51E1)
YUV	138.6780, 42.5567, 70.4424
Hunter-Lab	51.3626, 69.1126, -49.4020

Details

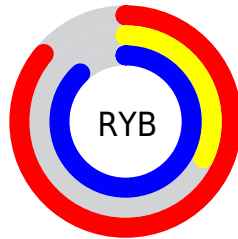
The Yxy color **26.3812, 0.3132, 0.1806** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **56.4938, 0.3057, 0.5338**, and the grayscale version is **25.5116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9452, 0.3179, 0.2178**, and **10.3382, 0.3077, 0.1469** is the 20% darker color. If you saturate the color by 10%, you get **23.4284, 0.3126, 0.1662**, and if you desaturate by 10%, it is **30.4449, 0.3136, 0.1989**.

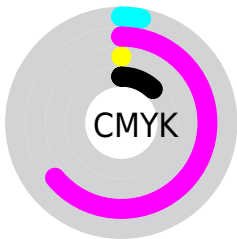
Distribution



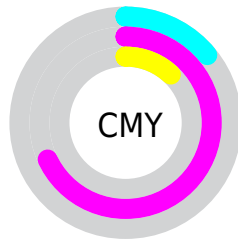
- Red (86%)
- Green (32%)
- Blue (88%)



- Red (86%)
- Yellow (32%)
- Blue (88%)



- Cyan (3%)
- Magenta (64%)
- Yellow (0%)
- Black (12%)




- Cyan (14%)
- Magenta (68%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3812, 0.3132, 0.1806 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 26.3812, 0.3132, 0.1806 by changing the saturation by 10% instead.


 26.3812, 0.3132,
0.1806


 26.3812, 0.3132,
0.1806

284.6484, 0.3166,
0.2500


 17.1090, 0.3113,
0.1651


 53.8893, 0.3153,
0.2045

 10.3123, 0.3083,
0.1464


 72.8940, 0.3158,
0.2139

 5.6065, 0.3033,
0.1236


 95.9117, 0.3162,
0.2220

 2.6073, 0.2950,
0.0957

 123.3267, 0.3164,
0.2290

 0.9303, 0.2801,
0.0625

155.5235, 0.3165,
0.2352

 0.0000, 0.2587,
0.0000

192.8864, 0.3166,


 0.0000, 0.1849,


0.2407


0.0000


235.7999, 0.3166,
0.2456


 0.0000, 0.0000,
0.0000


 26.3812, 0.3132,
0.1806


 26.3812, 0.3132,
0.1806

 23.4284, 0.3126,
0.1662

 30.4449, 0.3136,
0.1989


 21.4685, 0.3118,
0.1561

 35.7147, 0.3138,
0.2204


 20.3637, 0.3109,
0.1503

 42.2797, 0.3138,
0.2441


 19.9775, 0.3103,
0.1483


 50.2195, 0.3136,
0.2691

 59.6075, 0.3133,
0.2944

 70.5116, 0.3129,
0.3193

 82.9957, 0.3124,
0.3432

 93.2160, 0.3122,
0.3598

 93.3695, 0.3128,
0.3597

Harmonies

Analogous

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



26.3812, 0.1961, 0.1476



26.3812, 0.3132, 0.1806



26.3812, 0.4632, 0.2400

Triad

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



26.3812, 0.3132, 0.1806



26.3812, 0.4903, 0.4898



26.3812, 0.1105, 0.2642

Complementary

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



26.3812, 0.3132, 0.1806



56.4938, 0.3057, 0.5338

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.



26.3812, 0.1612, 0.4295



26.3812, 0.3132, 0.1806



26.3812, 0.3785, 0.5806

Square

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



26.3812, 0.3132, 0.1806



26.3812, 0.5676, 0.3945



26.3812, 0.2604, 0.5816



26.3812, 0.1034, 0.1760

Rectangle

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



26.3812, 0.3132, 0.1806



26.3812, 0.5431, 0.2882



26.3812, 0.2604, 0.5816



26.3812, 0.1218, 0.3114

Sweetspot

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



26.3824, 0.3132, 0.1806



72.5047, 0.3135, 0.2815



14.1988, 0.1904, 0.1319



14.7698, 0.3136, 0.2742



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.



26.3824, 0.3132, 0.1806



30.0442, 0.3124, 0.1622



24.4434, 0.4006, 0.2426



13.9048, 0.3131, 0.3059



11.5206, 0.3105, 0.1484



0.8078, 0.3122, 0.1494

Inverse Universe

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



22.5863, 0.5118, 0.3235



24.7559, 0.5739, 0.3244



57.6907, 0.2740, 0.4452



13.7098, 0.3286, 0.3281



9.2404, 0.6354, 0.3274



0.6438, 0.6220, 0.3200

Previews

White Background



This preview shows how the Yxy color 26.3812, 0.3132, 0.1806 looks on a white background.

Color Contrast Check

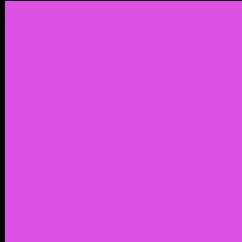
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3812, 0.3132, 0.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

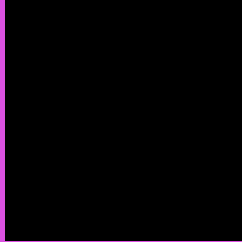
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3812, 0.3132, 0.1806

Background



This preview shows how black text looks on a background with the Yxy color 26.3812, 0.3132, 0.1806.

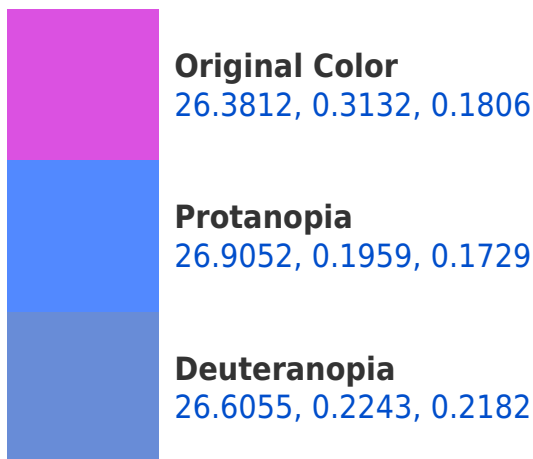


This preview shows how white text looks on a background with the Yxy color 26.3812, 0.3132, 0.1806.

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

26.0906, 0.4227, 0.3178

Trichromacy



Original Color

26.3812, 0.3132, 0.1806



Protanomaly

24.1598, 0.2222, 0.1667



Deuteranomaly

24.4191, 0.2484, 0.1942



Tritanomaly

25.6594, 0.3808, 0.2587

Monochromacy



Original Color

26.3812, 0.3132, 0.1806



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.1840, 0.3139, 0.2541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3812, 0.3132, 0.1806 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(219, 81, 225)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 81, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 81, 225) }
```

Border

The CSS property to change the border of an element to Yxy 26.3812, 0.3132, 0.1806 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(219, 81, 225) }
```

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

```
.border{ border-color:rgb(219, 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(219, 81, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 81, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 81, 225);  
box-shadow:4px 4px 4px 4px rgb(219, 81,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3812, 0.3132, 0.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 81, 225) }
```

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

```
.background{ background-color: rgb(219, 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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