

Converting Colors

$Y_{xy}(26.9145, 0.3085, 0.1827)$

Have a look what the booklet for
Yxy(26.9145, 0.3085, 0.1827)
contains.

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Color

Yxy(26.9063, 0.3090, 0.1829)

Conversions

Conversions Part 1

Format	Color
Hex	D857E2
RGB	216, 87, 226
RGB Percent	85%, 34%, 89%
CMY	0.1529, 0.6588, 0.1137
CMYK	0.04, 0.62, 0.00, 0.11
HSL	296°, 71%, 61%
HSV	296°, 62%, 89%
XYZ	45.4568, 26.9063, 74.7463
YIQ	141.4170, 32.2650, 70.5770

Conversions

Conversions Part 2

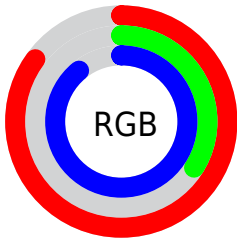
Format	Color
R _{YB}	216, 87, 226
Decimal	14178274
CIE Lab	58.89, 68.22, -47.31
CIE LCh	59, 83.022, 325.257
Yxy	26.9063, 0.3090, 0.1829
Android (android.graphics.Color)	4292368354 (0xFFD857E2)
YUV	141.4170, 41.6994, 65.4093
Hunter-Lab	51.8713, 65.6516, -49.1267

Details

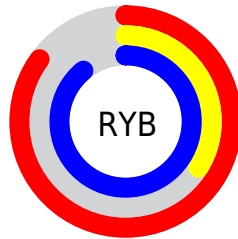
The Yxy color **26.9063, 0.3090, 0.1829** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **57.6191, 0.3082, 0.5247**, and the grayscale version is **26.6319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **10.6040, 0.3033, 0.1491** is the 20% darker color. If you saturate the color by 10%, you get **23.5574, 0.3076, 0.1668**, and if you desaturate by 10%, it is **31.4050, 0.3102, 0.2027**.

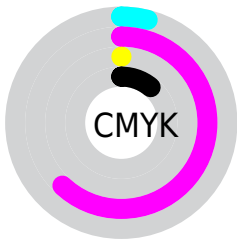
Distribution



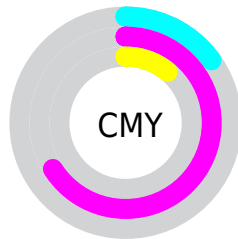
- Red (85%)
- Green (34%)
- Blue (89%)



- Red (85%)
- Yellow (34%)
- Blue (89%)



- Cyan (4%)
- Magenta (62%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (66%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9063, 0.3090, 0.1829 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 26.9063, 0.3090, 0.1829 by changing the saturation by 10% instead.


 26.9063, 0.3090,
0.1829


 26.9063, 0.3090,
0.1829


287.2032, 0.3145,
0.2513


 17.5029, 0.3066,
0.1676


 54.7335, 0.3118,
0.2065


 10.5937, 0.3030,
0.1491


 73.9260, 0.3126,
0.2157

 5.7943, 0.2974,
0.1265


 97.1503, 0.3132,
0.2237

 2.7204, 0.2883,
0.0987

 124.7909, 0.3136,
0.2307

 0.9876, 0.2723,
0.0654

157.2321, 0.3139,
0.2368

 0.0000, 0.2501,
0.0000

194.8582, 0.3141,

 0.0000, 0.1739,

0.2422

0.0000


238.0538, 0.3143,
0.2470

 0.0000, 0.0000,
0.0000

 26.9063, 0.3090,
0.1829


 26.9063, 0.3090,
0.1829


 23.5574, 0.3076,
0.1668


 31.4050, 0.3102,
0.2027


 21.2437, 0.3060,
0.1551

 37.1466, 0.3112,
0.2253

 19.8335, 0.3043,
0.1477

 44.2189, 0.3119,
0.2498

 19.1581, 0.3027,
0.1441

 52.7006, 0.3123,
0.2752

 62.6644, 0.3126,
0.3006

■ 74.1779, 0.3127,
0.3254

■ 87.3045, 0.3127,
0.3489

■ 93.6685, 0.3132,
0.3586

■ 93.9368, 0.3142,
0.3585

Harmonies

Analogous

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



26.9063, 0.1966, 0.1514



26.9063, 0.3090, 0.1829



26.9063, 0.4534, 0.2406

Triad

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



26.9063, 0.3090, 0.1829



26.9063, 0.4908, 0.4848



26.9063, 0.1166, 0.2715

Complementary

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



26.9063, 0.3090, 0.1829



57.6191, 0.3082, 0.5247

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.



26.9063, 0.1689, 0.4319



26.9063, 0.3090, 0.1829



26.9063, 0.3831, 0.5713

Square

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



26.9063, 0.3090, 0.1829



26.9063, 0.5625, 0.3926



26.9063, 0.2675, 0.5737



26.9063, 0.1078, 0.1825

Rectangle

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



26.9063, 0.3090, 0.1829



26.9063, 0.5322, 0.2880



26.9063, 0.2675, 0.5737



26.9063, 0.1285, 0.3180

Sweetspot

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



26.9075, 0.3090, 0.1829



73.5102, 0.3125, 0.2839



16.3609, 0.1965, 0.1456



14.9512, 0.3124, 0.2764



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.



26.9075, 0.3090, 0.1829



29.9313, 0.3071, 0.1629



25.8140, 0.3892, 0.2401



13.8829, 0.3127, 0.3058



10.9523, 0.3030, 0.1443



0.7744, 0.3059, 0.1459

Inverse Universe

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



23.8465, 0.4941, 0.3191



25.7686, 0.5540, 0.3197



58.4585, 0.2770, 0.4469



13.7164, 0.3281, 0.3274



9.2524, 0.6320, 0.3255



0.6470, 0.6099, 0.3134

Previews

White Background



This preview shows how the Yxy color 26.9063, 0.3090, 0.1829 looks on a white background.

Color Contrast Check

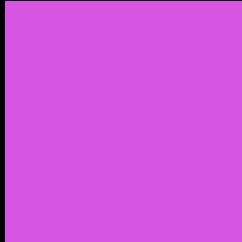
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9063, 0.3090, 0.1829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

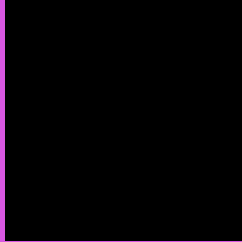
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9063, 0.3090, 0.1829

Background



This preview shows how black text looks on a background with the Yxy color 26.9063, 0.3090, 0.1829.



This preview shows how white text looks on a background with the Yxy color 26.9063, 0.3090, 0.1829.

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

26.9063, 0.3090, 0.1829

Protanopia

27.3283, 0.1974, 0.1747

Deuteranopia

27.3590, 0.2245, 0.2192



Tritanopia

26.6680, 0.4118, 0.3176

Trichromacy



Original Color

26.9063, 0.3090, 0.1829



Protanomaly

24.7119, 0.2234, 0.1693



Deuteranomaly

25.1061, 0.2474, 0.1968



Tritanomaly

26.1217, 0.3723, 0.2588

Monochromacy



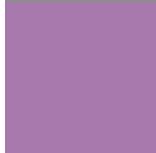
Original Color

26.9063, 0.3090, 0.1829



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

24.9781, 0.3116, 0.2558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9063, 0.3090, 0.1829 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(216, 87, 226)` looks like.

```
.text, #text, p{  
    color:rgb(216, 87, 226)  
}
```

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(216, 87, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 87, 226) }
```

Border

The CSS property to change the border of an element to Yxy 26.9063, 0.3090, 0.1829 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(216, 87, 226) }
```

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

```
.border{ border-color:rgb(216, 87, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 87, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 87, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 87, 226);  
box-shadow:4px 4px 4px 4px rgb(216, 87,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9063, 0.3090, 0.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 87, 226) }
```

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

```
.background{ background-color: rgb(216, 87,  
226) }
```

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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