

Converting Colors

$Y_{xy}(27.2097, 0.3171, 0.1786)$

Have a look what the booklet for
Yxy(27.2097, 0.3171, 0.1786)
contains.

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Color

Yxy(27.1336, 0.3166, 0.1784)

Conversions

Conversions Part 1

Format	Color
Hex	E24DE5
RGB	226, 77, 229
RGB Percent	89%, 30%, 90%
CMY	0.1138, 0.6979, 0.1021
CMYK	0.01, 0.66, 0.00, 0.10
HSL	299°, 74%, 60%
HSV	299°, 66%, 90%
XYZ	48.1530, 27.1336, 76.8076
YIQ	138.8790, 40.0120, 78.8600

Conversions

Conversions Part 2

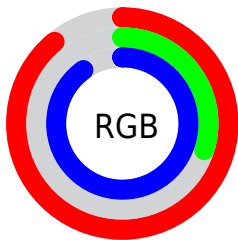
Format	Color
R _Y B	226, 77, 229
Decimal	14831077
CIE Lab	59.10, 74.90, -48.56
CIE LCh	59, 89.261, 327.043
Yxy	27.1336, 0.3166, 0.1784
Android (android.graphics.Color)	4293021157 (0xFFE24DE5)
YUV	138.8790, 44.4297, 76.4051
Hunter-Lab	52.0899, 73.8518, -50.9613

Details

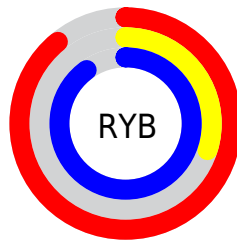
The Yxy color **27.1336, 0.3166, 0.1784** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **58.2666, 0.3039, 0.5421**, and the grayscale version is **25.5902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3713, 0.3180, 0.2161**, and **11.2326, 0.3123, 0.1494** is the 20% darker color. If you saturate the color by 10%, you get **24.4003, 0.3166, 0.1655**, and if you desaturate by 10%, it is **30.9968, 0.3164, 0.1954**.

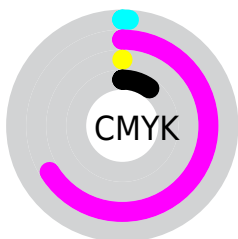
Distribution



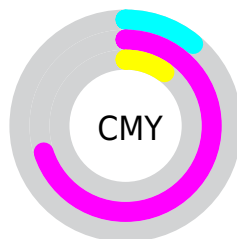
- Red (89%)
- Green (30%)
- Blue (90%)



- Red (89%)
- Yellow (30%)
- Blue (90%)



- Cyan (1%)
- Magenta (66%)
- Yellow (0%)
- Black (10%)





- Cyan (11%)
- Magenta (70%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1336, 0.3166, 0.1784 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 27.1336, 0.3166, 0.1784 by changing the saturation by 10% instead.


 27.1336, 0.3166,
0.1784


 27.1336, 0.3166,
0.1784


288.3034, 0.3184,
0.2482


 17.6736, 0.3151,
0.1630


 55.0982, 0.3181,
0.2023

 10.7159, 0.3126,
0.1445


 74.3715, 0.3184,
0.2117

 5.8761, 0.3083,
0.1220


 97.6848, 0.3186,
0.2198

 2.7699, 0.3010,
0.0948

 125.4223, 0.3187,
0.2269

 1.0128, 0.2877,
0.0624

157.9686, 0.3187,
0.2332

 0.0000, 0.2697,
0.0000


195.7079, 0.3186,


 0.0000, 0.2097,


0.2388


0.0000

239.0247, 0.3185,
0.2437

 0.0000, 0.0000,
0.0000

 27.1336, 0.3166,
0.1784


 27.1336, 0.3166,
0.1784


 24.4003, 0.3166,
0.1655

 30.9968, 0.3164,
0.1954


 22.6690, 0.3164,
0.1569


 36.0925, 0.3160,
0.2158


 21.7849, 0.3161,
0.1525

 42.5161, 0.3155,
0.2388

 21.5774, 0.3160,
0.1514

 50.3526, 0.3148,
0.2634

 59.6798, 0.3140,
0.2885

 70.5700, 0.3132,
0.3135

 83.0906, 0.3124,
0.3377

 93.9304, 0.3119,
0.3555

 94.0049, 0.3121,
0.3555

Harmonies

Analogous

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



27.1336, 0.1954, 0.1442



27.1336, 0.3166, 0.1784



27.1336, 0.4716, 0.2392

Triad

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



27.1336, 0.3166, 0.1784



27.1336, 0.4898, 0.4940



27.1336, 0.1053, 0.2581

Complementary

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



27.1336, 0.3166, 0.1784



58.2666, 0.3039, 0.5421

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.



27.1336, 0.1546, 0.4276



27.1336, 0.3166, 0.1784



27.1336, 0.3744, 0.5887

Square

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



27.1336, 0.3166, 0.1784



27.1336, 0.5720, 0.3957



27.1336, 0.2543, 0.5891



27.1336, 0.0995, 0.1705

Rectangle

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



27.1336, 0.3166, 0.1784



27.1336, 0.5525, 0.2881



27.1336, 0.2543, 0.5891



27.1336, 0.1160, 0.3057

Sweetspot

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



27.1348, 0.3166, 0.1784



71.4758, 0.3143, 0.2790



13.2855, 0.1854, 0.1218



14.5805, 0.3145, 0.2719



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.



27.1348, 0.3166, 0.1784



30.0940, 0.3166, 0.1614



24.4380, 0.4093, 0.2432



14.6000, 0.3135, 0.3058



12.3469, 0.3160, 0.1515



0.9170, 0.3168, 0.1519

Inverse Universe

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



22.5465, 0.5278, 0.3268



23.9036, 0.5908, 0.3276



59.7391, 0.2723, 0.4466



14.3726, 0.3289, 0.3286



9.5319, 0.6379, 0.3288



0.7060, 0.6318, 0.3254

Previews

White Background



This preview shows how the Yxy color 27.1336, 0.3166, 0.1784 looks on a white background.

Color Contrast Check

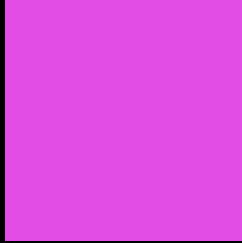
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1336, 0.3166, 0.1784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

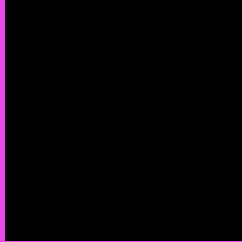
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1336, 0.3166, 0.1784

Background



This preview shows how black text looks on a background with the Yxy color 27.1336, 0.3166, 0.1784.

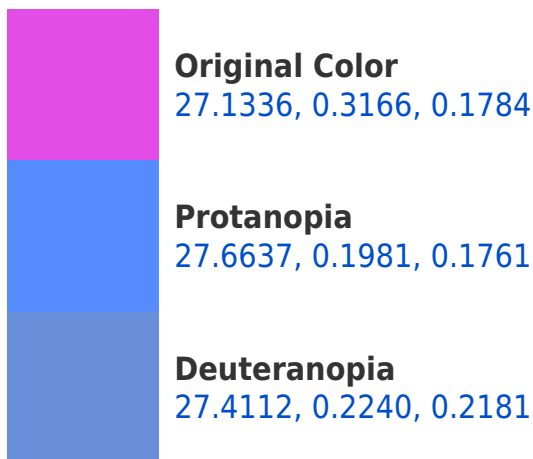


This preview shows how white text looks on a background with the Yxy color 27.1336, 0.3166, 0.1784.

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

26.8469, 0.4339, 0.3195

Trichromacy



Original Color

27.1336, 0.3166, 0.1784



Protanomaly

24.4630, 0.2246, 0.1655



Deuteranomaly

24.6204, 0.2488, 0.1911



Tritanomaly

26.3323, 0.3895, 0.2588

Monochromacy



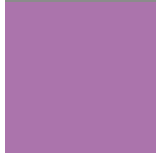
Original Color

27.1336, 0.3166, 0.1784



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.1273, 0.3153, 0.2495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1336, 0.3166, 0.1784 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, 77, 229)` looks like.

```
.text, #text, p{  
  color:rgb(226, 77, 229)  
}
```

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, 77, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 77, 229) }
```

Border

The CSS property to change the border of an element to Yxy 27.1336, 0.3166, 0.1784 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, 77, 229) }
```

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

```
.border{ border-color:rgb(226, 77, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 77, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 77, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 77, 229);  
box-shadow:4px 4px 4px 4px rgb(226, 77,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1336, 0.3166, 0.1784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 77, 229) }
```

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

```
.background{ background-color: rgb(226, 77,  
229) }
```

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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