

# Converting Colors

$Y_{xy}(26.0192, 0.3282, 0.1815)$

Have a look what the booklet for  
Yxy(26.0192, 0.3282, 0.1815)  
contains.

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# Color

**Yxy(26.0416, 0.3285, 0.1816)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E446DC
RGB	228, 70, 220
RGB Percent	89%, 27%, 86%
CMY	0.1058, 0.7255, 0.1373
CMYK	0.00, 0.69, 0.04, 0.11
HSL	303°, 75%, 58%
HSV	303°, 69%, 89%
XYZ	47.1072, 26.0416, 70.2521
YIQ	134.3420, 46.0180, 80.1460

# Conversions

## Conversions Part 2

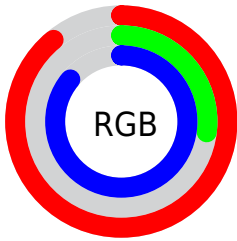
Format	Color
R <sub>YB</sub>	228, 70, 220
Decimal	14960348
CIE <sub>Lab</sub>	58.08, 76.39, -45.10
CIE <sub>LCh</sub>	58, 88.714, 329.442
Yxy	26.0416, 0.3285, 0.1816
Android (android.graphics.Color)	4293150428 (0xFFE446DC)
YUV	134.3420, 42.2294, 82.1381
Hunter-Lab	51.0310, 75.4709, -45.9003

# Details

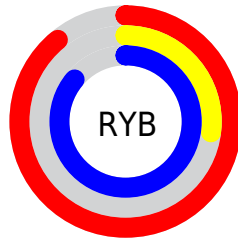
The Yxy color **26.0416, 0.3285, 0.1816** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **57.3489, 0.2997, 0.5430**, and the grayscale version is **23.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7126, 0.3182, 0.2111**, and **11.1154, 0.3284, 0.1583** is the 20% darker color. If you saturate the color by 10%, you get **23.6509, 0.3306, 0.1708**, and if you desaturate by 10%, it is **29.5173, 0.3262, 0.1966**.

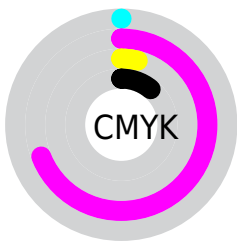
# Distribution



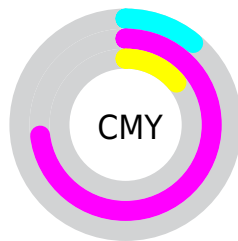
- Red (89%)
- Green (27%)
- Blue (86%)



- Red (89%)
- Yellow (27%)
- Blue (86%)



- Cyan (0%)
- Magenta (69%)
- Yellow (4%)
- Black (11%)




- Cyan (11%)
- Magenta (73%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0416, 0.3285, 0.1816 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 26.0416, 0.3285, 0.1816 by changing the saturation by 10% instead.





 26.0416, 0.3285,  
0.1816


 26.0416, 0.3285,  
0.1816


282.9862, 0.3240,  
0.2506


 16.8548, 0.3286,  
0.1662


 53.3420, 0.3277,  
0.2054


 10.1310, 0.3281,  
0.1475


 72.2245, 0.3271,  
0.2147


 5.4859, 0.3264,  
0.1246


 95.1075, 0.3266,  
0.2228

 2.5351, 0.3225,  
0.0966

 122.3756, 0.3260,  
0.2298

 0.8941, 0.3135,  
0.0630

 154.4131, 0.3255,  
0.2360

 0.0000, 0.3011,  
0.0000

191.6045, 0.3250,


 0.0000, 0.2404,


0.2414


0.0000


234.3340, 0.3245,  
0.2463


 0.0000, 0.0000,  
0.0000

 26.0416, 0.3285,  
0.1816


 26.0416, 0.3285,  
0.1816


 23.6509, 0.3306,  
0.1708


 29.5173, 0.3262,  
0.1966


 22.2116, 0.3325,  
0.1643


 34.1842, 0.3238,  
0.2152


 21.5165, 0.3341,  
0.1616

 40.1397, 0.3213,  
0.2366


 21.4780, 0.3342,  
0.1615


 47.4704, 0.3190,  
0.2596

 56.2553, 0.3167,  
0.2835

 66.5673, 0.3145,  
0.3074

 78.4747, 0.3126,  
0.3306

 92.0415, 0.3108,  
0.3527

 93.7535, 0.3101,  
0.3541

# Harmonies

## Analogous

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



26.0416, 0.2024, 0.1450



26.0416, 0.3285, 0.1816



26.0416, 0.4844, 0.2442

# Triad

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



26.0416, 0.3285, 0.1816



26.0416, 0.4818, 0.5028



26.0416, 0.1024, 0.2474

# Complementary

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



26.0416, 0.3285, 0.1816



57.3489, 0.2997, 0.5430

# 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.



26.0416, 0.1476, 0.4124



26.0416, 0.3285, 0.1816



26.0416, 0.3644, 0.5956

# Square

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



26.0416, 0.3285, 0.1816



26.0416, 0.5689, 0.4027



26.0416, 0.2443, 0.5837



26.0416, 0.0996, 0.1654



# Rectangle

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



26.0416, 0.3285, 0.1816



26.0416, 0.5610, 0.2937



26.0416, 0.2443, 0.5837



26.0416, 0.1119, 0.2929

# Sweetspot

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



26.0428, 0.3285, 0.1816



70.2896, 0.3171, 0.2791



11.5960, 0.1831, 0.1099



14.3513, 0.3177, 0.2725



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.



26.0428, 0.3285, 0.1816



29.5606, 0.3314, 0.1675



22.8017, 0.4363, 0.2551



14.6019, 0.3146, 0.3070



12.4054, 0.3340, 0.1614



0.9206, 0.3319, 0.1602



# Inverse Universe

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



26.0428, 0.3285, 0.1816



29.5606, 0.3314, 0.1675



59.2298, 0.2654, 0.4325



14.6019, 0.3146, 0.3070



12.4054, 0.3340, 0.1614



0.9206, 0.3319, 0.1602



# Previews

## White Background



This preview shows how the Yxy color 26.0416, 0.3285, 0.1816 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

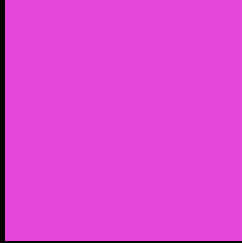
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.0416, 0.3285, 0.1816 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

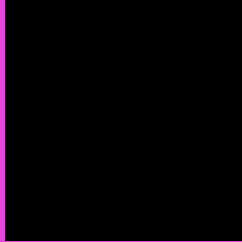
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.0416, 0.3285, 0.1816**

## Background



This preview shows how black text looks on a background with the Yxy color 26.0416, 0.3285, 0.1816.



This preview shows how white text looks on a background with the Yxy color 26.0416, 0.3285, 0.1816.

# 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

26.0416, 0.3285, 0.1816

### Protanopia

26.5338, 0.1948, 0.1714

### Deuteranopia

26.2568, 0.2298, 0.2241



## Tritanopia

25.8719, 0.4504, 0.3211

# Trichromacy



## Original Color

26.0416, 0.3285, 0.1816



## Protanomaly

23.0675, 0.2237, 0.1630



## Deuteranomaly

23.5141, 0.2574, 0.1954



## Tritanomaly

25.1043, 0.4051, 0.2612

# Monochromacy



## Original Color

26.0416, 0.3285, 0.1816



## Achromatopsia

23.8398, 0.3127, 0.3290



## Achromatomaly

22.4103, 0.3200, 0.2505

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0416, 0.3285, 0.1816 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(228, 70, 220)` looks like.

```
.text, #text, p{  
    color:rgb(228, 70, 220)  
}
```

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(228, 70, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 70, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0416, 0.3285, 0.1816 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(228, 70, 220) }
```

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

```
.border{ border-color:rgb(228, 70, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 70, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 70, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 70, 220);  
box-shadow:4px 4px 4px 4px rgb(228, 70,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0416, 0.3285, 0.1816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 70, 220) }
```

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

```
.background{ background-color: rgb(228, 70,  
220) }
```

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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