

# Converting Colors

$Y_{xy}(35.0430, 0.3267, 0.2223)$

Have a look what the booklet for  
Yxy(35.0430, 0.3267, 0.2223)  
contains.

<b>Yxy(35.0414, 0.3267, 0.2223)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(35.0414, 0.3267, 0.2223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E478DB
RGB	228, 120, 219
RGB Percent	89%, 47%, 86%
CMY	0.1059, 0.5294, 0.1410
CMYK	0.00, 0.47, 0.04, 0.11
HSL	305°, 67%, 68%
HSV	305°, 47%, 89%
XYZ	51.4981, 35.0414, 71.0916
YIQ	163.5780, 32.5890, 53.6850

# Conversions

## Conversions Part 2

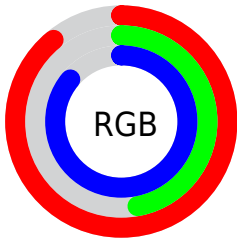
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 120, 219
Decimal	14973147
CIE Lab	65.78, 55.12, -32.51
CIE LCh	66, 63.986, 329.469
Yxy	35.0414, 0.3267, 0.2223
Android (android.graphics.Color)	4293163227 (0xFFE478DB)
YUV	163.5780, 27.3230, 56.4981
Hunter-Lab	59.1958, 51.6956, -29.7678

# Details

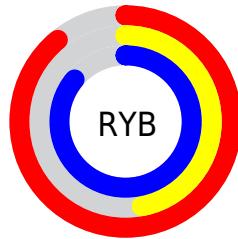
The Yxy color **35.0414, 0.3267, 0.2223** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.0575, 0.3012, 0.4662**, and the grayscale version is **36.7716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **15.1228, 0.3274, 0.1962** is the 20% darker color. If you saturate the color by 10%, you get **30.0973, 0.3301, 0.2035**, and if you desaturate by 10%, it is **41.2952, 0.3233, 0.2435**.

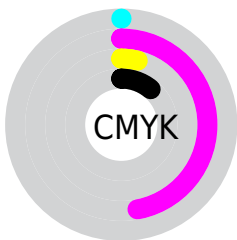
# Distribution



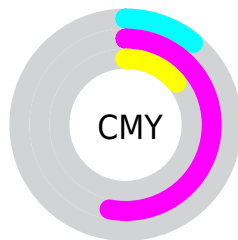
- Red (89%)
- Green (47%)
- Blue (86%)



- Red (89%)
- Yellow (47%)
- Blue (86%)



- Cyan (0%)
- Magenta (47%)
- Yellow (4%)
- Black (11%)




- Cyan (11%)
- Magenta (53%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0414, 0.3267, 0.2223 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 35.0414, 0.3267, 0.2223 by changing the saturation by 10% instead.





 35.0414, 0.3267,  
0.2223


 35.0414, 0.3267,  
0.2223


324.7510, 0.3215,  
0.2727


 23.6948, 0.3275,  
0.2107


 67.5499, 0.3252,  
0.2399

 15.1074, 0.3282,  
0.1964

 89.4806, 0.3245,  
0.2467

 8.8948, 0.3287,  
0.1784


 115.7080, 0.3239,  
0.2526

 4.6726, 0.3285,  
0.1552

146.6166, 0.3233,  
0.2577

 2.0565, 0.3266,  
0.1246

182.5909, 0.3228,  
0.2621

 0.6400, 0.3210,  
0.0817

224.0151, 0.3223,

 0.0000, 0.3105,

0.2661

0.0000


271.2737, 0.3219,  
0.2696


 0.0000, 0.0000,  
0.0000


 35.0414, 0.3267,  
0.2223


 35.0414, 0.3267,  
0.2223


 30.0973, 0.3301,  
0.2035


 41.2952, 0.3233,  
0.2435

 26.3639, 0.3335,  
0.1880


 48.9387, 0.3202,  
0.2662

 23.7361, 0.3368,  
0.1766

 58.0512, 0.3172,  
0.2895


 22.0886, 0.3398,  
0.1696

 68.7048, 0.3145,  
0.3125


 21.2550, 0.3425,  
0.1668

 80.9666, 0.3121,  
0.3348

 21.0997, 0.3432,  
0.1664

 93.7463, 0.3101,  
0.3541

 93.8533, 0.3090,  
0.3521

 93.9615, 0.3079,  
0.3502

 94.0708, 0.3069,  
0.3482

# Harmonies

## Analogous

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



35.0414, 0.2369, 0.1929



35.0414, 0.3267, 0.2223



35.0414, 0.4271, 0.2725

# Triad

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



35.0414, 0.3267, 0.2223



35.0414, 0.4479, 0.4689



35.0414, 0.1593, 0.2809

# Complementary

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



35.0414, 0.3267, 0.2223



61.0575, 0.3012, 0.4662

# 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.



35.0414, 0.2007, 0.3852



35.0414, 0.3267, 0.2223



35.0414, 0.3665, 0.5105

# Square

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



35.0414, 0.3267, 0.2223



35.0414, 0.4985, 0.4025



35.0414, 0.2761, 0.4838



35.0414, 0.1532, 0.2155



# Rectangle

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



35.0414, 0.3267, 0.2223



35.0414, 0.4782, 0.3132



35.0414, 0.2761, 0.4838



35.0414, 0.1690, 0.3122

# Sweetspot

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



35.0430, 0.3267, 0.2223



79.1106, 0.3163, 0.2971



23.5632, 0.2279, 0.1820



16.3213, 0.3169, 0.2920



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.



35.0430, 0.3267, 0.2223



38.8045, 0.3301, 0.2035



32.7092, 0.3846, 0.2755



14.5935, 0.3151, 0.3077



12.1938, 0.3429, 0.1662



0.9072, 0.3393, 0.1643



# Inverse Universe

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



35.0430, 0.3267, 0.2223



38.8045, 0.3301, 0.2035



62.8179, 0.2735, 0.3919



14.5935, 0.3151, 0.3077



12.1938, 0.3429, 0.1662

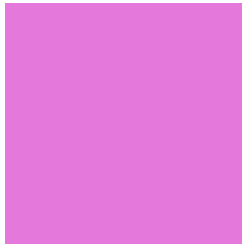


0.9072, 0.3393, 0.1643



# Previews

## White Background



This preview shows how the Yxy color 35.0414, 0.3267, 0.2223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

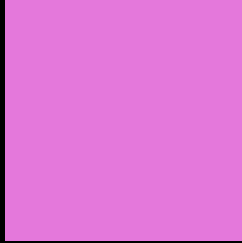
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.0414, 0.3267, 0.2223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

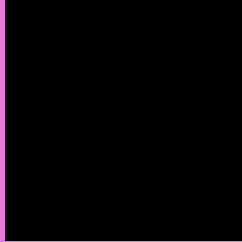
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.0414, 0.3267, 0.2223**

## Background



This preview shows how black text looks on a background with the Yxy color 35.0414, 0.3267, 0.2223.

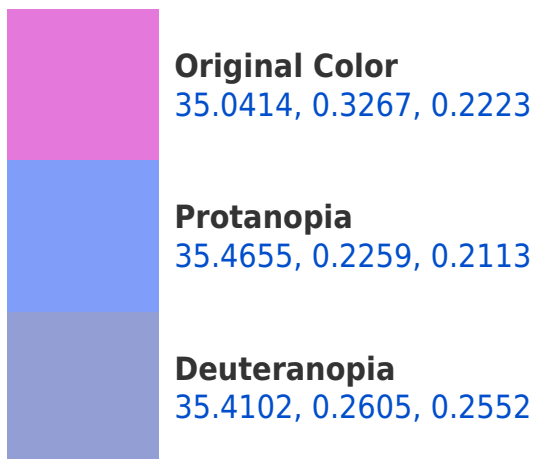


This preview shows how white text looks on a background with the Yxy color 35.0414, 0.3267, 0.2223.

# 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

35.0580, 0.3928, 0.3171

# Trichromacy



## Original Color

35.0414, 0.3267, 0.2223



## Protanomaly

34.0121, 0.2544, 0.2125



## Deuteranomaly

34.0829, 0.2808, 0.2384



## Tritanomaly

34.7793, 0.3680, 0.2796

# Monochromacy



## Original Color

35.0414, 0.3267, 0.2223



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

35.2053, 0.3179, 0.2817

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.0414, 0.3267, 0.2223 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, 120, 219)` looks like.

```
.text, #text, p{  
    color:rgb(228, 120, 219)  
}
```

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, 120, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 120, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 35.0414, 0.3267, 0.2223 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, 120, 219) }
```

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

```
.border{ border-color:rgb(228, 120, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 120, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 120, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 120, 219);  
box-shadow:4px 4px 4px 4px rgb(228, 120,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.0414, 0.3267, 0.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 120, 219) }
```

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

```
.background{ background-color: rgb(228,  
120, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor