

Converting Colors

$Y_{xy}(35.1453, 0.3170, 0.2229)$

Have a look what the booklet for
Yxy(35.1453, 0.3170, 0.2229)
contains.

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Color

Yxy(35.1033, 0.3167, 0.2228)

Conversions

Conversions Part 1

Format	Color
Hex	DC7DDD
RGB	220, 125, 221
RGB Percent	86%, 49%, 87%
CMY	0.1373, 0.5098, 0.1333
CMYK	0.00, 0.43, 0.00, 0.13
HSL	299°, 59%, 68%
HSV	299°, 43%, 87%
XYZ	49.8977, 35.1033, 72.5542
YIQ	164.3490, 25.8040, 49.9960

Conversions

Conversions Part 2

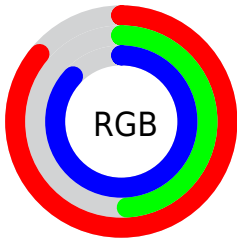
Format	Color
R _Y B	220, 125, 221
Decimal	14450141
CIE Lab	65.83, 50.64, -33.60
CIE LCh	66, 60.776, 326.433
Yxy	35.1033, 0.3167, 0.2228
Android (android.graphics.Color)	4292640221 (0xFFDC7DDD)
YUV	164.3490, 27.9289, 48.8059
Hunter-Lab	59.2480, 46.6457, -31.1319

Details

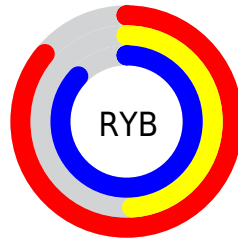
The Yxy color **35.1033, 0.3167, 0.2228** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **57.6331, 0.3070, 0.4636**, and the grayscale version is **37.1559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **15.1744, 0.3148, 0.1966** is the 20% darker color. If you saturate the color by 10%, you get **30.0812, 0.3174, 0.2017**, and if you desaturate by 10%, it is **41.3734, 0.3159, 0.2462**.

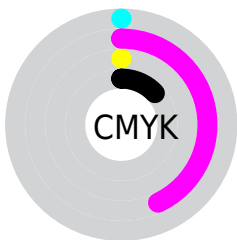
Distribution



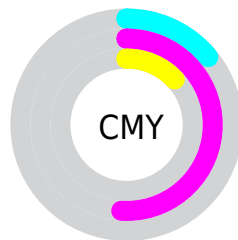
- Red (86%)
- Green (49%)
- Blue (87%)



- Red (86%)
- Yellow (49%)
- Blue (87%)



- Cyan (0%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)





- Cyan (14%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1033, 0.3167, 0.2228 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 35.1033, 0.3167, 0.2228 by changing the saturation by 10% instead.

 35.1033, 0.3167,
0.2228

 35.1033, 0.3167,
0.2228


325.0241, 0.3165,
0.2731


 23.7425, 0.3162,
0.2112


 67.6458, 0.3170,
0.2404

 15.1427, 0.3154,
0.1969


 89.5962, 0.3170,
0.2472

 8.9196, 0.3138,
0.1788

 115.8452, 0.3170,
0.2530

 4.6888, 0.3107,
0.1556

146.7773, 0.3169,
0.2581

 2.0658, 0.3048,
0.1250

182.7769, 0.3168,
0.2625

 0.6453, 0.2929,
0.0820

224.2282, 0.3167,


 0.0000, 0.2712,


0.2665

0.0000

271.5158, 0.3166,
0.2699


 0.0000, 0.0000,
0.0000

 35.1033, 0.3167,
0.2228

 35.1033, 0.3167,
0.2228


 30.0812, 0.3174,
0.2017

 41.3734, 0.3159,
0.2462


 26.2188, 0.3179,
0.1838


 48.9625, 0.3150,
0.2709


 23.4241, 0.3183,
0.1698


 57.9421, 0.3140,
0.2960


 21.5886, 0.3184,
0.1601


 68.3771, 0.3130,
0.3207

 20.5814, 0.3184,
0.1546


 80.3282, 0.3121,
0.3445

 20.2298, 0.3183,
0.1527

 92.1740, 0.3113,
0.3644

 92.2108, 0.3114,
0.3643

 92.2475, 0.3116,
0.3643

 92.2843, 0.3117,
0.3643

Harmonies

Analogous

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



35.1033, 0.2334, 0.1967



35.1033, 0.3167, 0.2228



35.1033, 0.4125, 0.2696

Triad

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



35.1033, 0.3167, 0.2228



35.1033, 0.4495, 0.4581



35.1033, 0.1682, 0.2926

Complementary

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



35.1033, 0.3167, 0.2228



57.6331, 0.3070, 0.4636

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.



35.1033, 0.2122, 0.3932



35.1033, 0.3167, 0.2228



35.1033, 0.3740, 0.4999

Square

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



35.1033, 0.3167, 0.2228



35.1033, 0.4925, 0.3944



35.1033, 0.2873, 0.4811



35.1033, 0.1587, 0.2254

Rectangle

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



35.1033, 0.3167, 0.2228



35.1033, 0.4640, 0.3085



35.1033, 0.2873, 0.4811



35.1033, 0.1789, 0.3236

Sweetspot

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



35.1049, 0.3167, 0.2228



80.5766, 0.3140, 0.2968



24.6599, 0.2318, 0.1967



16.6156, 0.3142, 0.2912



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.



35.1049, 0.3167, 0.2228



42.2331, 0.3173, 0.2037



33.1225, 0.3666, 0.2707



13.2675, 0.3136, 0.3060



11.7547, 0.3183, 0.1527



0.7638, 0.3188, 0.1530

Inverse Universe

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



31.5497, 0.4256, 0.3281



36.7277, 0.4633, 0.3280



59.0313, 0.2805, 0.3971



13.0537, 0.3290, 0.3288



8.9339, 0.6389, 0.3293



0.5796, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 35.1033, 0.3167, 0.2228 looks on a white background.

Color Contrast Check

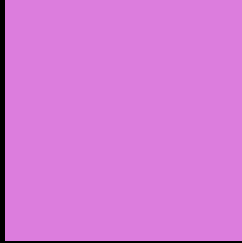
Large Text (above 18pt) WCAG AA × Fail

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 35.1033, 0.3167, 0.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

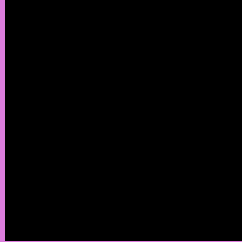
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1033, 0.3167, 0.2228

Background



This preview shows how black text looks on a background with the Yxy color 35.1033, 0.3167, 0.2228.

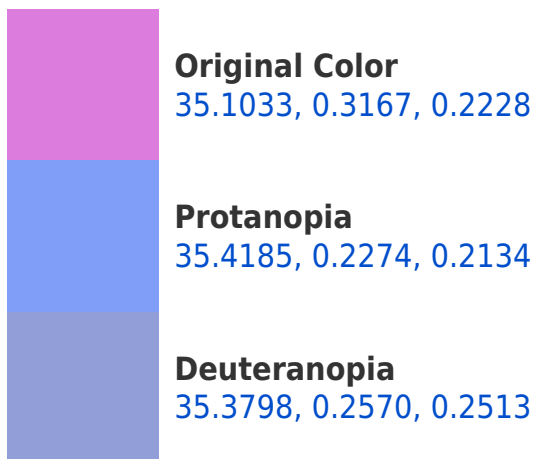


This preview shows how white text looks on a background with the Yxy color 35.1033, 0.3167, 0.2228.

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

35.1330, 0.3783, 0.3166

Trichromacy



Original Color

35.1033, 0.3167, 0.2228



Protanomaly

34.0009, 0.2523, 0.2131



Deuteranomaly

34.3382, 0.2759, 0.2379



Tritanomaly

34.7587, 0.3554, 0.2793

Monochromacy



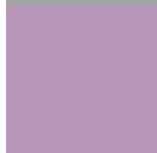
Original Color

35.1033, 0.3167, 0.2228



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.5058, 0.3139, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1033, 0.3167, 0.2228 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(220, 125, 221)` looks like.

```
.text, #text, p{  
    color:rgb(220, 125, 221)  
}
```

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(220, 125, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 125, 221) }
```

Border

The CSS property to change the border of an element to Yxy 35.1033, 0.3167, 0.2228 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(220, 125, 221) }
```

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

```
.border{ border-color:rgb(220, 125, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 125, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 125, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 125, 221);  
box-shadow:4px 4px 4px 4px rgb(220, 125,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1033, 0.3167, 0.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 125, 221) }
```

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

```
.background{ background-color: rgb(220,  
125, 221) }
```

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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