

Converting Colors

$Y_{xy}(29.7899, 0.3375, 0.2187)$

Have a look what the booklet for
Yxy(29.7899, 0.3375, 0.2187)
contains.

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Color

Yxy(29.7899, 0.3375, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	DE68CC
RGB	222, 104, 204
RGB Percent	87%, 41%, 80%
CMY	0.1294, 0.5921, 0.2000
CMYK	0.00, 0.53, 0.08, 0.13
HSL	309°, 64%, 64%
HSV	309°, 53%, 87%
XYZ	45.9721, 29.7899, 60.4516
YIQ	150.6820, 38.2280, 56.1160

Conversions

Conversions Part 2

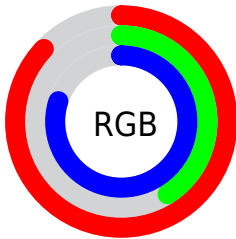
Format	Color
R _Y B	222, 104, 204
Decimal	14575820
CIE Lab	61.47, 58.55, -30.81
CIE LCh	61, 66.160, 332.250
Yxy	29.7899, 0.3375, 0.2187
Android (android.graphics.Color)	4292765900 (0xFFDE68CC)
YUV	150.6820, 26.2858, 62.5459
Hunter-Lab	54.5801, 54.8328, -27.4620

Details

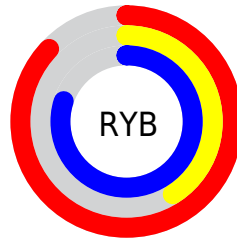
The Yxy color **29.7899, 0.3375, 0.2187** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.5894, 0.2960, 0.4739**, and the grayscale version is **30.6798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **12.0955, 0.3427, 0.1906** is the 20% darker color. If you saturate the color by 10%, you get **25.7339, 0.3434, 0.2026**, and if you desaturate by 10%, it is **35.0284, 0.3319, 0.2376**.

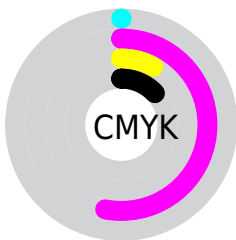
Distribution



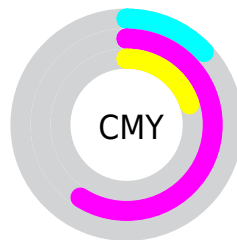
- Red (87%)
- Green (41%)
- Blue (80%)



- Red (87%)
- Yellow (41%)
- Blue (80%)



- Cyan (0%)
- Magenta (53%)
- Yellow (8%)
- Black (13%)





- Cyan (13%)
- Magenta (59%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7899, 0.3375, 0.2187 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 29.7899, 0.3375, 0.2187 by changing the saturation by 10% instead.


 29.7899, 0.3375,
0.2187


 29.7899, 0.3375,
0.2187


300.9239, 0.3266,
0.2720


 19.6792, 0.3397,
0.2061


 59.3298, 0.3339,
0.2375


 12.1620, 0.3422,
0.1905


 79.5277, 0.3325,
0.2448

 6.8541, 0.3450,
0.1706


 103.8568, 0.3312,
0.2510

 3.3710, 0.3479,
0.1447

 132.7015, 0.3301,
0.2563

 1.3284, 0.3499,
0.1103

166.4461, 0.3291,
0.2610

 0.1630, 0.3601,
0.0322


205.4752, 0.3282,


 0.0000, 0.3192,


0.2651

0.0000


250.1729, 0.3274,
0.2687


 0.0000, 0.0000,
0.0000


 29.7899, 0.3375,
0.2187

 29.7899, 0.3375,
0.2187


 25.7339, 0.3434,
0.2026


 35.0284, 0.3319,
0.2376

 22.7616, 0.3493,
0.1901


 41.5293, 0.3266,
0.2583


 20.7656, 0.3551,
0.1820

 49.3706, 0.3218,
0.2799

 19.6141, 0.3606,
0.1784

 58.6227, 0.3175,
0.3015

 19.1654, 0.3642,
0.1780

 69.3511, 0.3138,
0.3226

 81.6172, 0.3105,
0.3427

 92.6339, 0.3079,
0.3572

 92.8235, 0.3060,
0.3536

 93.0168, 0.3041,
0.3501

Harmonies

Analogous

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



29.7899, 0.2382, 0.1853



29.7899, 0.3375, 0.2187



29.7899, 0.4464, 0.2732

Triad

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



29.7899, 0.3375, 0.2187



29.7899, 0.4488, 0.4834



29.7899, 0.1463, 0.2668

Complementary

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



29.7899, 0.3375, 0.2187



56.5894, 0.2960, 0.4739

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.



29.7899, 0.1855, 0.3782



29.7899, 0.3375, 0.2187



29.7899, 0.3590, 0.5281

Square

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



29.7899, 0.3375, 0.2187



29.7899, 0.5094, 0.4113



29.7899, 0.2627, 0.4929



29.7899, 0.1436, 0.2020

Rectangle

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



29.7899, 0.3375, 0.2187



29.7899, 0.4986, 0.3166



29.7899, 0.2627, 0.4929



29.7899, 0.1549, 0.2993

Sweetspot

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



29.7913, 0.3375, 0.2187



76.2800, 0.3188, 0.2951



19.2929, 0.2235, 0.1651



15.7561, 0.3196, 0.2906



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.



29.7913, 0.3375, 0.2187



34.5987, 0.3442, 0.2006



27.4856, 0.4112, 0.2811



13.8978, 0.3161, 0.3094



11.3977, 0.3635, 0.1776



0.7999, 0.3559, 0.1734

Inverse Universe

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



29.7913, 0.3375, 0.2187



34.5987, 0.3442, 0.2006



58.5079, 0.2652, 0.3865



13.8978, 0.3161, 0.3094



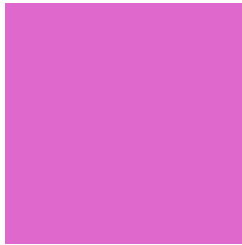
11.3977, 0.3635, 0.1776



0.7999, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 29.7899, 0.3375, 0.2187 looks on a white background.

Color Contrast Check

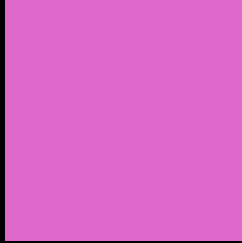
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7899, 0.3375, 0.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

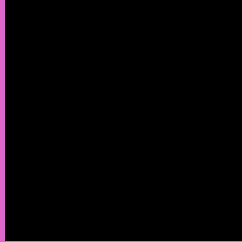
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7899, 0.3375, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 29.7899, 0.3375, 0.2187.

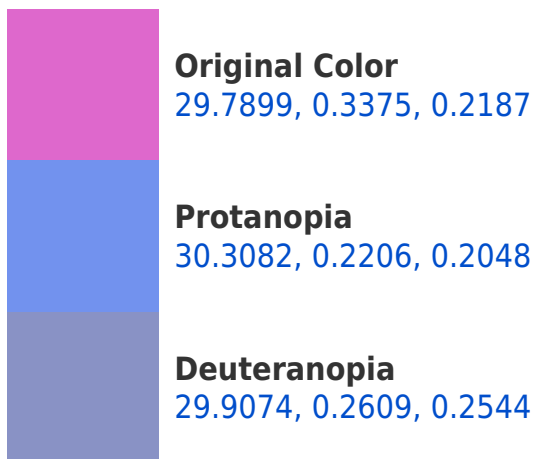


This preview shows how white text looks on a background with the Yxy color 29.7899, 0.3375, 0.2187.

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

29.8539, 0.4134, 0.3182

Trichromacy



Original Color

29.7899, 0.3375, 0.2187



Protanomaly

28.4959, 0.2515, 0.2049



Deuteranomaly

28.7276, 0.2849, 0.2359



Tritanomaly

29.4818, 0.3850, 0.2774

Monochromacy



Original Color

29.7899, 0.3375, 0.2187



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.2996, 0.3226, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7899, 0.3375, 0.2187 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(222, 104, 204)` looks like.

```
.text, #text, p{  
    color:rgb(222, 104, 204)  
}
```

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(222, 104, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 104, 204) }
```

Border

The CSS property to change the border of an element to Yxy 29.7899, 0.3375, 0.2187 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(222, 104, 204) }
```

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

```
.border{ border-color:rgb(222, 104, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 104, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 104, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 104, 204);  
box-shadow:4px 4px 4px 4px rgb(222, 104,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7899, 0.3375, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 104, 204) }
```

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

```
.background{ background-color: rgb(222,  
104, 204) }
```

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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