

Converting Colors

$Y_{xy}(33.1899, 0.3089, 0.2256)$

Have a look what the booklet for
Yxy(33.1899, 0.3089, 0.2256)
contains.

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Color

Yxy(33.3504, 0.3096, 0.2265)

Conversions

Conversions Part 1

Format	Color
Hex	CF7FD7
RGB	207, 127, 215
RGB Percent	81%, 50%, 84%
CMY	0.1882, 0.5019, 0.1570
CMYK	0.04, 0.41, 0.00, 0.16
HSL	295°, 52%, 67%
HSV	295°, 41%, 84%
XYZ	45.5862, 33.3504, 68.3057
YIQ	160.9520, 19.4320, 44.3280

Conversions

Conversions Part 2

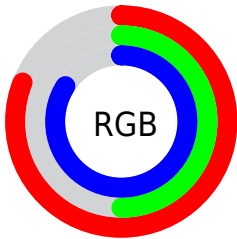
Format	Color
R _Y B	207, 127, 215
Decimal	13598679
CIE Lab	64.44, 44.64, -32.51
CIE LCh	64, 55.228, 323.934
Yxy	33.3504, 0.3096, 0.2265
Android (android.graphics.Color)	4291788759 (0xFFCF7FD7)
YUV	160.9520, 26.6457, 40.3841
Hunter-Lab	57.7498, 39.8412, -29.7026

Details

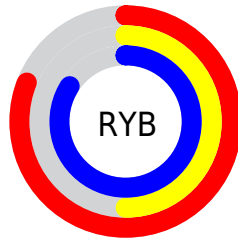
The Yxy color **33.3504, 0.3096, 0.2265** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **55.2676, 0.3121, 0.4526**, and the grayscale version is **35.4854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **14.1495, 0.3062, 0.2004** is the 20% darker color. If you saturate the color by 10%, you get **28.1002, 0.3082, 0.2035**, and if you desaturate by 10%, it is **39.7916, 0.3108, 0.2513**.

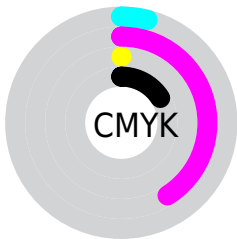
Distribution



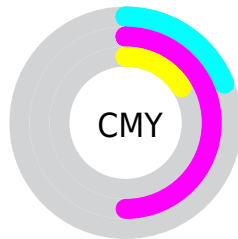
- Red (81%)
- Green (50%)
- Blue (84%)



- Red (81%)
- Yellow (50%)
- Blue (84%)



- Cyan (4%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)



- Cyan (19%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3504, 0.3096, 0.2265 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 33.3504, 0.3096, 0.2265 by changing the saturation by 10% instead.

 33.3504, 0.3096,
0.2265


 33.3504, 0.3096,
0.2265


317.2257, 0.3129,
0.2758


 22.3950, 0.3083,
0.2149


 64.9222, 0.3112,
0.2439

 14.1474, 0.3063,
0.2005


 86.3074, 0.3116,
0.2506

 8.2233, 0.3033,
0.1822


 111.9380, 0.3120,
0.2563

 4.2382, 0.2982,
0.1583

142.1984, 0.3123,
0.2612

 1.8077, 0.2892,
0.1264

177.4730, 0.3125,
0.2656

 0.4919, 0.2735,
0.0756

218.1461, 0.3126,

 0.0000, 0.2235,

0.2694

0.0000

264.6022, 0.3128,
0.2728

0.0000, 0.0000,
0.0000

33.3504, 0.3096,
0.2265

33.3504, 0.3096,
0.2265

28.1002, 0.3082,
0.2035

39.7916, 0.3108,
0.2513

23.9604, 0.3064,
0.1831

47.4886, 0.3116,
0.2768

20.8478, 0.3045,
0.1664

56.5069, 0.3123,
0.3022

18.6652, 0.3024,
0.1539

66.9062, 0.3127,
0.3268

17.2968, 0.3001,
0.1458


78.7425, 0.3129,
0.3502

 16.5758, 0.2980,
0.1415

 91.4362, 0.3130,
0.3710

 91.7392, 0.3142,
0.3709

 92.0457, 0.3155,
0.3707

 92.3558, 0.3167,
0.3706

Harmonies

Analogous

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



33.3504, 0.2336, 0.2037



33.3504, 0.3096, 0.2265



33.3504, 0.3983, 0.2696

Triad

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



33.3504, 0.3096, 0.2265



33.3504, 0.4463, 0.4466



33.3504, 0.1797, 0.3031

Complementary

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



33.3504, 0.3096, 0.2265



55.2676, 0.3121, 0.4526

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.



33.3504, 0.2245, 0.3962



33.3504, 0.3096, 0.2265



33.3504, 0.3780, 0.4859

Square

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



33.3504, 0.3096, 0.2265



33.3504, 0.4815, 0.3871



33.3504, 0.2969, 0.4723



33.3504, 0.1675, 0.2368

Rectangle

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



33.3504, 0.3096, 0.2265



33.3504, 0.4477, 0.3060



33.3504, 0.2969, 0.4723



33.3504, 0.1910, 0.3325

Sweetspot

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



33.3519, 0.3096, 0.2265



81.4851, 0.3122, 0.2992



26.9698, 0.2390, 0.2163



17.0487, 0.3121, 0.2958



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.



33.3519, 0.3096, 0.2265



42.3764, 0.3084, 0.2066



32.9095, 0.3539, 0.2657



12.5729, 0.3124, 0.3059



9.9414, 0.2984, 0.1417



0.6167, 0.3025, 0.1440

Inverse Universe

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



31.3713, 0.4071, 0.3194



39.1724, 0.4385, 0.3177



55.7149, 0.2864, 0.4030



12.4389, 0.3277, 0.3269



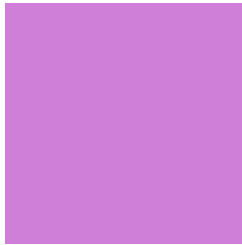
8.6769, 0.6292, 0.3240



0.5298, 0.5993, 0.3075

Previews

White Background



This preview shows how the Yxy color 33.3504, 0.3096, 0.2265 looks on a white background.

Color Contrast Check

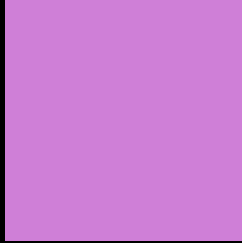
Large Text (above 18pt) WCAG AA × Fail

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 33.3504, 0.3096, 0.2265 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 33.3504, 0.3096, 0.2265

Background



This preview shows how black text looks on a background with the Yxy color 33.3504, 0.3096, 0.2265.

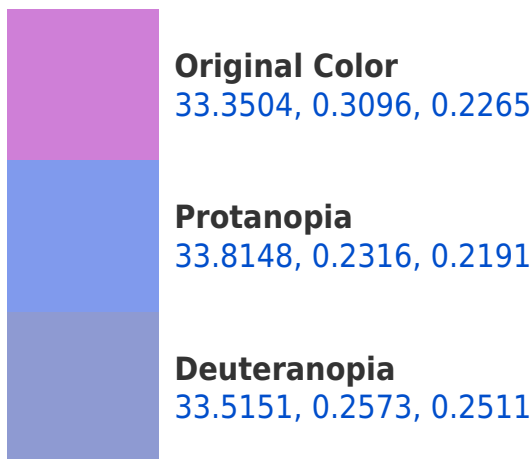


This preview shows how white text looks on a background with the Yxy color 33.3504, 0.3096, 0.2265.

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

33.3225, 0.3633, 0.3146

Trichromacy



Original Color

33.3504, 0.3096, 0.2265



Protanomaly

32.7718, 0.2548, 0.2196



Deuteranomaly

32.8070, 0.2743, 0.2394



Tritanomaly

33.1210, 0.3427, 0.2794

Monochromacy



Original Color

33.3504, 0.3096, 0.2265



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.2961, 0.3118, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3504, 0.3096, 0.2265 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(207, 127, 215)` looks like.

```
.text, #text, p{  
    color:rgb(207, 127, 215)  
}
```

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(207, 127, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 127, 215) }
```

Border

The CSS property to change the border of an element to Yxy 33.3504, 0.3096, 0.2265 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(207, 127, 215) }
```

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

```
.border{ border-color:rgb(207, 127, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 127, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 127, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 127, 215);  
box-shadow:4px 4px 4px 4px rgb(207, 127,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3504, 0.3096, 0.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 127, 215) }
```

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

```
.background{ background-color: rgb(207,  
127, 215) }
```

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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