

# Converting Colors

$Y_{xy}(28.5120, 0.3214, 0.2245)$

Have a look what the booklet for  
Yxy(28.5120, 0.3214, 0.2245)  
contains.

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**Color**

**Yxy(28.4084, 0.3220, 0.2246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB70C7
RGB	203, 112, 199
RGB Percent	80%, 44%, 78%
CMY	0.2039, 0.5607, 0.2197
CMYK	0.00, 0.45, 0.02, 0.20
HSL	303°, 47%, 62%
HSV	303°, 45%, 80%
XYZ	40.7280, 28.4084, 57.3480
YIQ	149.1270, 26.3090, 46.3490

# Conversions

## Conversions Part 2

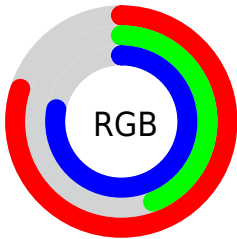
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 112, 199
Decimal	13332679
CIE <sub>Lab</sub>	60.26, 48.26, -30.04
CIE <sub>LCh</sub>	60, 56.850, 328.101
Yxy	28.4084, 0.3220, 0.2246
Android (android.graphics.Color)	4291522759 (0xFFCB70C7)
YUV	149.1270, 24.5874, 47.2466
Hunter-Lab	53.2995, 43.1237, -26.4839

# Details

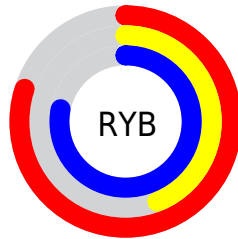
The Yxy color **28.4084, 0.3220, 0.2246** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **47.4194, 0.3039, 0.4619**, and the grayscale version is **29.9987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **11.3753, 0.3221, 0.1959** is the 20% darker color. If you saturate the color by 10%, you get **24.3814, 0.3242, 0.2046**, and if you desaturate by 10%, it is **33.4480, 0.3198, 0.2468**.

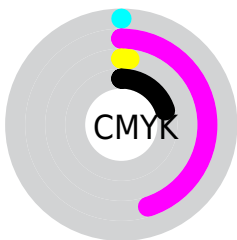
# Distribution



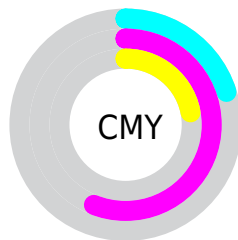
- Red (80%)
- Green (44%)
- Blue (78%)



- Red (80%)
- Yellow (44%)
- Blue (78%)



- Cyan (0%)
- Magenta (45%)
- Yellow (2%)
- Black (20%)




- Cyan (20%)
- Magenta (56%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4084, 0.3220, 0.2246 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 28.4084, 0.3220, 0.2246 by changing the saturation by 10% instead.





 28.4084, 0.3220,  
0.2246


 28.4084, 0.3220,  
0.2246


294.4133, 0.3189,  
0.2759

 18.6337, 0.3222,  
0.2122


 57.1358, 0.3213,  
0.2430


 11.4059, 0.3222,  
0.1967


 76.8574, 0.3209,  
0.2499

 6.3406, 0.3217,  
0.1766


 100.6633, 0.3205,  
0.2559

 3.0533, 0.3197,  
0.1500

 128.9381, 0.3201,  
0.2610

 1.1596, 0.3145,  
0.1140

162.0661, 0.3198,  
0.2655

 0.0283, 0.3187,  
0.0072

200.4317, 0.3195,

 0.0000, 0.1418,

0.2694

0.0000

244.4193, 0.3192,  
0.2729

0.0000, 0.0000,  
0.0000

28.4084, 0.3220,  
0.2246

28.4084, 0.3220,  
0.2246

24.3814, 0.3242,  
0.2046

33.4480, 0.3198,  
0.2468

21.2945, 0.3264,  
0.1878

39.5586, 0.3176,  
0.2703

19.0716, 0.3284,  
0.1749


46.7988, 0.3155,  
0.2943


17.6234, 0.3301,  
0.1662

55.2219, 0.3136,  
0.3179


16.8407, 0.3317,  
0.1617

64.8776, 0.3118,  
0.3407

 16.5914, 0.3324,  
0.1605

 75.8130, 0.3102,  
0.3622

 88.0726, 0.3088,  
0.3822

 88.6808, 0.3083,  
0.3821

 88.7247, 0.3078,  
0.3811

# Harmonies

## Analogous

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



28.4084, 0.2370, 0.1971



28.4084, 0.3220, 0.2246



28.4084, 0.4179, 0.2725

# Triad

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



28.4084, 0.3220, 0.2246



28.4084, 0.4463, 0.4616



28.4084, 0.1663, 0.2876

# Complementary

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



28.4084, 0.3220, 0.2246



47.4194, 0.3039, 0.4619

# 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.



28.4084, 0.2084, 0.3875



28.4084, 0.3220, 0.2246



28.4084, 0.3693, 0.5014

# Square

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



28.4084, 0.3220, 0.2246



28.4084, 0.4920, 0.3981



28.4084, 0.2824, 0.4784



28.4084, 0.1586, 0.2225



# Rectangle

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



28.4084, 0.3220, 0.2246



28.4084, 0.4679, 0.3118



28.4084, 0.2824, 0.4784



28.4084, 0.1764, 0.3181

# Sweetspot

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



28.4097, 0.3220, 0.2246



80.5486, 0.3152, 0.2982



19.5511, 0.2314, 0.1912



16.6085, 0.3156, 0.2929



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.



28.4097, 0.3220, 0.2246



40.8856, 0.3242, 0.2048



26.6367, 0.3744, 0.2748



11.3948, 0.3144, 0.3072



10.5624, 0.3322, 0.1604



0.5476, 0.3298, 0.1591



# Inverse Universe

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



28.4097, 0.3220, 0.2246



40.8856, 0.3242, 0.2048



48.7143, 0.2771, 0.3921



11.3948, 0.3144, 0.3072



10.5624, 0.3322, 0.1604

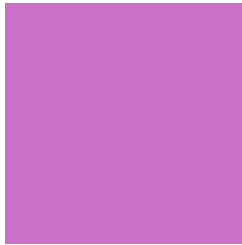


0.5476, 0.3298, 0.1591



# Previews

## White Background



This preview shows how the Yxy color 28.4084, 0.3220, 0.2246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

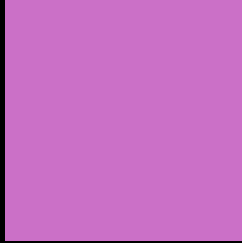
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.4084, 0.3220, 0.2246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

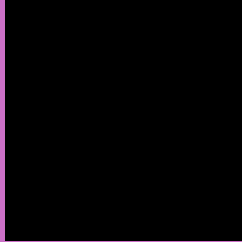
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.4084, 0.3220, 0.2246**

## Background



This preview shows how black text looks on a background with the Yxy color 28.4084, 0.3220, 0.2246.

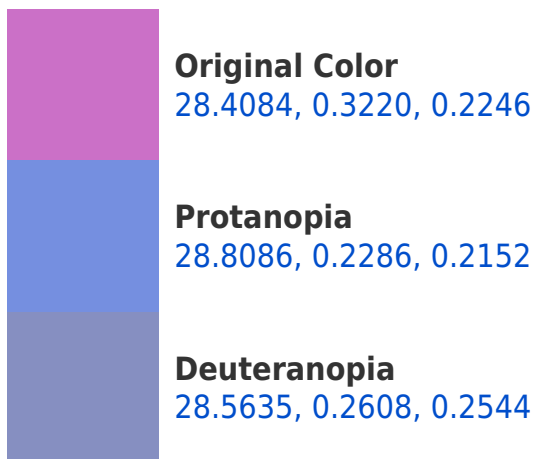


This preview shows how white text looks on a background with the Yxy color 28.4084, 0.3220, 0.2246.

# 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

28.3014, 0.3838, 0.3157

# Trichromacy



## Original Color

28.4084, 0.3220, 0.2246



## Protanomaly

27.7047, 0.2550, 0.2159



## Deuteranomaly

27.8136, 0.2805, 0.2408



## Tritanomaly

28.1837, 0.3606, 0.2793

# Monochromacy



## Original Color

28.4084, 0.3220, 0.2246



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

28.8334, 0.3170, 0.2843

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.4084, 0.3220, 0.2246 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(203, 112, 199)` looks like.

```
.text, #text, p{  
    color:rgb(203, 112, 199)  
}
```

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(203, 112, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 112, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 28.4084, 0.3220, 0.2246 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(203, 112, 199) }
```

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

```
.border{ border-color:rgb(203, 112, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 112, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 112, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 112, 199);  
box-shadow:4px 4px 4px 4px rgb(203, 112,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.4084, 0.3220, 0.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 112, 199) }
```

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

```
.background{ background-color: rgb(203,  
112, 199) }
```

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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