

# Converting Colors

Yxy(31.5869, 0.3353, 0.2548)

Have a look what the booklet for  
Yxy(31.5869, 0.3353, 0.2548)  
contains.

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**Color**

**Yxy(31.7457, 0.3354, 0.2551)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD7FBB
RGB	205, 127, 187
RGB Percent	80%, 50%, 73%
CMY	0.1961, 0.5020, 0.2665
CMYK	0.00, 0.38, 0.09, 0.20
HSL	314°, 44%, 65%
HSV	314°, 38%, 80%
XYZ	41.7386, 31.7457, 50.9599
YIQ	157.1620, 27.2280, 35.1960

# Conversions

## Conversions Part 2

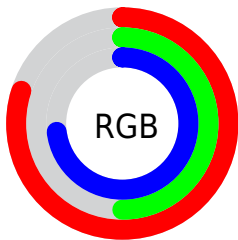
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 127, 187
Decimal	13467579
CIE Lab	63.13, 38.96, -18.85
CIE LCh	63, 43.278, 334.185
Yxy	31.7457, 0.3354, 0.2551
Android (android.graphics.Color)	4291657659 (0xFFCD7FBB)
YUV	157.1620, 14.7101, 41.9539
Hunter-Lab	56.3433, 33.6302, -14.1847

# Details

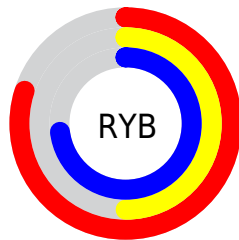
The Yxy color **31.7457, 0.3354, 0.2551** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.2182, 0.2962, 0.4168**, and the grayscale version is **33.7181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7788, 0.3252, 0.2673**, and **13.2797, 0.3403, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **26.7808, 0.3433, 0.2366**, and if you desaturate by 10%, it is **37.7973, 0.3283, 0.2747**.

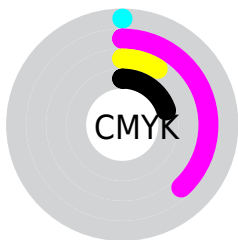
# Distribution



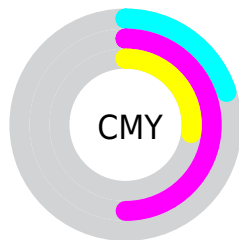
- Red (80%)
- Green (50%)
- Blue (73%)



- Red (80%)
- Yellow (50%)
- Blue (73%)



- Cyan (0%)
- Magenta (38%)
- Yellow (9%)
- Black (20%)



- Cyan (20%)
- Magenta (50%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7457, 0.3354, 0.2551 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 31.7457, 0.3354, 0.2551 by changing the saturation by 10% instead.





 31.7457, 0.3354,  
0.2551


 31.7457, 0.3354,  
0.2551


309.9592, 0.3244,  
0.2920


 21.1673, 0.3380,  
0.2460


 62.4122, 0.3315,  
0.2685

 13.2464, 0.3413,  
0.2343


 83.2692, 0.3300,  
0.2735

 7.5984, 0.3454,  
0.2190


 108.3211, 0.3287,  
0.2777

 3.8391, 0.3509,  
0.1979

137.9524, 0.3276,  
0.2814

 1.5840, 0.3581,  
0.1675

172.5474, 0.3267,  
0.2846

 0.3467, 0.3778,  
0.0962

212.4907, 0.3258,

 0.0000, 0.3180,

0.2873

0.0000

258.1665, 0.3251,  
0.2898

0.0000, 0.0000,  
0.0000

31.7457, 0.3354,  
0.2551

31.7457, 0.3354,  
0.2551

26.7808, 0.3433,  
0.2366

37.7973, 0.3283,  
0.2747

22.8326, 0.3519,  
0.2201

44.9917, 0.3220,  
0.2945

19.8294, 0.3610,  
0.2067


53.3860, 0.3165,  
0.3139


17.6885, 0.3702,  
0.1973


63.0325, 0.3119,  
0.3326

16.3128, 0.3794,  
0.1924


73.9801, 0.3079,  
0.3502


 15.5589, 0.3882,  
0.1920

 86.2755, 0.3045,  
0.3666

 15.4403, 0.3899,  
0.1922

 89.6712, 0.3018,  
0.3664

 89.9251, 0.2993,  
0.3612

 90.1861, 0.2967,  
0.3560

# Harmonies

## Analogous

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



31.7457, 0.2681, 0.2294



31.7457, 0.3354, 0.2551



31.7457, 0.4028, 0.2964

# Triad

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



31.7457, 0.3354, 0.2551



31.7457, 0.4068, 0.4401



31.7457, 0.1968, 0.2888

# Complementary

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



31.7457, 0.3354, 0.2551



50.2182, 0.2962, 0.4168

# 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.



31.7457, 0.2262, 0.3572



31.7457, 0.3354, 0.2551



31.7457, 0.3463, 0.4549

# Square

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



31.7457, 0.3354, 0.2551



31.7457, 0.4443, 0.3978



31.7457, 0.2802, 0.4242



31.7457, 0.1948, 0.2430



# Rectangle

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



31.7457, 0.3354, 0.2551



31.7457, 0.4347, 0.3292



31.7457, 0.2802, 0.4242



31.7457, 0.2036, 0.3098

# Sweetspot

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



31.7471, 0.3354, 0.2551



82.9816, 0.3181, 0.3080



25.5067, 0.2579, 0.2186



17.3502, 0.3189, 0.3053



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.



31.7471, 0.3354, 0.2551



44.9514, 0.3421, 0.2392



30.3310, 0.3788, 0.3008



11.3578, 0.3172, 0.3113



9.6272, 0.3887, 0.1915



0.5077, 0.3729, 0.1828



# Inverse Universe

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



31.7471, 0.3354, 0.2551



44.9514, 0.3421, 0.2392



51.5896, 0.2729, 0.3599



11.3578, 0.3172, 0.3113



9.6272, 0.3887, 0.1915

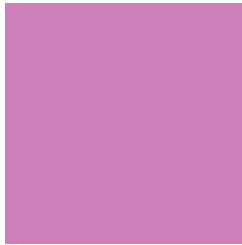


0.5077, 0.3729, 0.1828



# Previews

## White Background



This preview shows how the Yxy color 31.7457, 0.3354, 0.2551 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

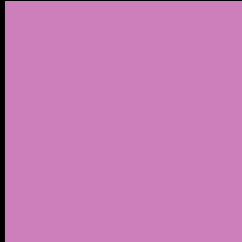
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.7457, 0.3354, 0.2551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

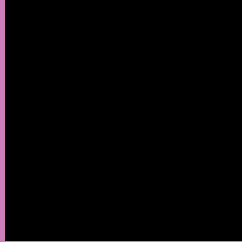
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.7457, 0.3354, 0.2551**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.7457, 0.3354, 0.2551.



This preview shows how white text looks on a background with the Yxy color 31.7457, 0.3354, 0.2551.

# 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



### Original Color

31.7457, 0.3354, 0.2551

### Protanopia

31.8961, 0.2577, 0.2533

### Deuteranopia

32.0039, 0.2862, 0.2811



## Tritanopia

31.6516, 0.3753, 0.3160

# Trichromacy



## Original Color

31.7457, 0.3354, 0.2551



## Protanomaly

31.1046, 0.2816, 0.2519



## Deuteranomaly

31.5773, 0.3033, 0.2711



## Tritanomaly

31.5972, 0.3612, 0.2930

# Monochromacy



## Original Color

31.7457, 0.3354, 0.2551



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

32.3836, 0.3203, 0.2981

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.7457, 0.3354, 0.2551 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(205, 127, 187)` looks like.

```
.text, #text, p{  
    color:rgb(205, 127, 187)  
}
```

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(205, 127, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 127, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 31.7457, 0.3354, 0.2551 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(205, 127, 187) }
```

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

```
.border{ border-color:rgb(205, 127, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 127, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 127, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 127, 187);  
box-shadow:4px 4px 4px 4px rgb(205, 127,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.7457, 0.3354, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 127, 187) }
```

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

```
.background{ background-color: rgb(205,  
127, 187) }
```

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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