

# Converting Colors

$Y_{xy}(19.7443, 0.3341, 0.1990)$

Have a look what the booklet for  
Yxy(19.7443, 0.3341, 0.1990)  
contains.

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# Color

**Yxy(19.7443, 0.3341, 0.1990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C24AB6
RGB	194, 74, 182
RGB Percent	76%, 29%, 71%
CMY	0.2391, 0.7099, 0.2862
CMYK	0.00, 0.62, 0.06, 0.24
HSL	306°, 50%, 53%
HSV	306°, 62%, 76%
XYZ	33.1486, 19.7443, 46.3247
YIQ	122.1920, 36.8520, 59.0280

# Conversions

## Conversions Part 2

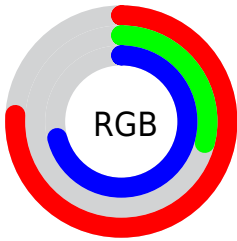
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 74, 182
Decimal	12733110
CIELab	51.55, 60.80, -33.96
CIElCh	52, 69.641, 330.812
Yxy	19.7443, 0.3341, 0.1990
Android (android.graphics.Color)	4290923190 (0xFFC24AB6)
YUV	122.1920, 29.4853, 62.9756
Hunter-Lab	44.4346, 55.4022, -30.7079

# Details

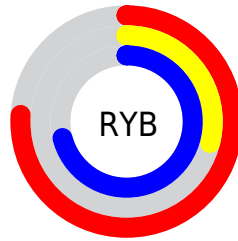
The Yxy color **19.7443, 0.3341, 0.1990** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **40.7277, 0.2977, 0.5095**, and the grayscale version is **19.4179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0210, 0.3316, 0.2232**, and **6.9033, 0.3357, 0.1623** is the 20% darker color. If you saturate the color by 10%, you get **17.4634, 0.3380, 0.1853**, and if you desaturate by 10%, it is **22.8269, 0.3301, 0.2162**.

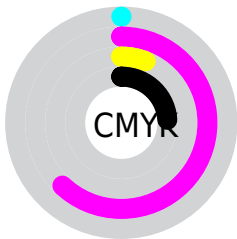
# Distribution



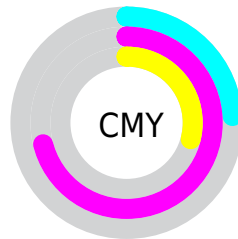
- Red (76%)
- Green (29%)
- Blue (71%)



- Red (76%)
- Yellow (29%)
- Blue (71%)



- Cyan (0%)
- Magenta (62%)
- Yellow (6%)
- Black (24%)




- Cyan (24%)
- Magenta (71%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7443, 0.3341, 0.1990 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 19.7443, 0.3341, 0.1990 by changing the saturation by 10% instead.





 19.7443, 0.3341,  
0.1990


 19.7443, 0.3341,  
0.1990


250.5275, 0.3252,  
0.2646


 12.2093, 0.3355,  
0.1829


 42.9881, 0.3314,  
0.2227


 6.8864, 0.3368,  
0.1625


 59.4656, 0.3302,  
0.2317


 3.3912, 0.3374,  
0.1364


 79.6929, 0.3292,  
0.2393

 1.3392, 0.3360,  
0.1023

 104.0541, 0.3282,  
0.2458

 0.1712, 0.3384,  
0.0300

 132.9338, 0.3274,  
0.2514

 0.0000, 0.2965,  
0.0000

166.7163, 0.3266,

 0.0000, 0.0000,

0.2564

0.0000

205.7861, 0.3259,  
0.2607

■ 19.7443, 0.3341,  
0.1990

■ 19.7443, 0.3341,  
0.1990

■ 17.4634, 0.3380,  
0.1853

■ 22.8269, 0.3301,  
0.2162

■ 15.9051, 0.3418,  
0.1759

■ 26.7750, 0.3262,  
0.2362

■ 14.9795, 0.3453,  
0.1707

■ 31.6491, 0.3225,  
0.2578

■ 14.5540, 0.3480,  
0.1691

■ 37.5035, 0.3191,  
0.2803

■ 44.3884, 0.3160,  
0.3029

■ 52.3504, 0.3132,  
0.3250

■ 61.4335, 0.3107,  
0.3460

■ 71.6791, 0.3086,  
0.3658

■ 83.1263, 0.3067,  
0.3841

# Harmonies

## Analogous

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



19.7443, 0.2197, 0.1634



19.7443, 0.3341, 0.1990



19.7443, 0.4673, 0.2584

# Triad

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



19.7443, 0.3341, 0.1990



19.7443, 0.4677, 0.4971



19.7443, 0.1221, 0.2562

# Complementary

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



19.7443, 0.3341, 0.1990



40.7277, 0.2977, 0.5095

# 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.



19.7443, 0.1651, 0.3944



19.7443, 0.3341, 0.1990



19.7443, 0.3633, 0.5658

# Square

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



19.7443, 0.3341, 0.1990



19.7443, 0.5419, 0.4095



19.7443, 0.2534, 0.5383



19.7443, 0.1192, 0.1820



# Rectangle

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



19.7443, 0.3341, 0.1990



19.7443, 0.5320, 0.3055



19.7443, 0.2534, 0.5383



19.7443, 0.1314, 0.2954

# Sweetspot

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



19.7452, 0.3341, 0.1990



70.9512, 0.3183, 0.2862



10.7667, 0.2026, 0.1361



14.7882, 0.3192, 0.2796



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.



19.7452, 0.3341, 0.1990



30.5589, 0.3393, 0.1817



17.7724, 0.4253, 0.2679



10.2296, 0.3153, 0.3085



9.5714, 0.3476, 0.1688



0.4187, 0.3409, 0.1652



# Inverse Universe

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



19.7452, 0.3341, 0.1990



30.5589, 0.3393, 0.1817



42.1315, 0.2643, 0.4077



10.2296, 0.3153, 0.3085



9.5714, 0.3476, 0.1688



0.4187, 0.3409, 0.1652



# Previews

## White Background



This preview shows how the Yxy color 19.7443, 0.3341, 0.1990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

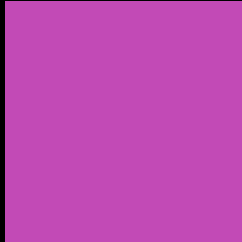
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 19.7443, 0.3341, 0.1990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

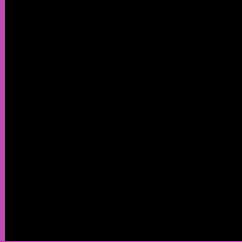
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 19.7443, 0.3341, 0.1990**

## Background



This preview shows how black text looks on a background with the Yxy color 19.7443, 0.3341, 0.1990.



This preview shows how white text looks on a background with the Yxy color 19.7443, 0.3341, 0.1990.

# 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

19.7443, 0.3341, 0.1990

### Protanopia

20.1627, 0.1981, 0.1758

### Deuteranopia

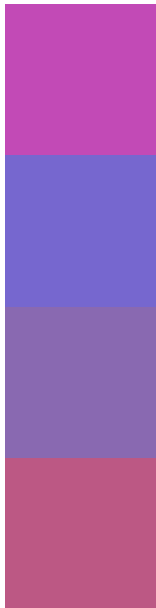
19.9783, 0.2454, 0.2400



## Tritanopia

19.6593, 0.4330, 0.3196

# Trichromacy



**Original Color**

19.7443, 0.3341, 0.1990

**Protanomaly**

18.0570, 0.2292, 0.1755

**Deuteranomaly**

18.5958, 0.2714, 0.2166

**Tritanomaly**

19.3368, 0.3955, 0.2693

# Monochromacy



**Original Color**

19.7443, 0.3341, 0.1990

**Achromatopsia**

19.4618, 0.3127, 0.3290

**Achromatomaly**

18.4127, 0.3210, 0.2650

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.7443, 0.3341, 0.1990 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(194, 74, 182)` looks like.

```
.text, #text, p{  
    color:rgb(194, 74, 182)  
}
```

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(194, 74, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 74, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 19.7443, 0.3341, 0.1990 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(194, 74, 182) }
```

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

```
.border{ border-color:rgb(194, 74, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 74, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 74, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 74, 182);  
box-shadow:4px 4px 4px 4px rgb(194, 74,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.7443, 0.3341, 0.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 74, 182) }
```

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

```
.background{ background-color: rgb(194, 74,  
182) }
```

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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