

# Converting Colors

$Y_{xy}(21.5029, 0.3007, 0.1607)$

Have a look what the booklet for  
Yxy(21.5029, 0.3007, 0.1607)  
contains.

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**Color**

**Yxy(21.5775, 0.3015, 0.1613)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE3BDF
RGB	206, 59, 223
RGB Percent	81%, 23%, 87%
CMY	0.1923, 0.7685, 0.1254
CMYK	0.08, 0.74, 0.00, 0.13
HSL	294°, 72%, 55%
HSV	294°, 74%, 87%
XYZ	40.3324, 21.5775, 71.8626
YIQ	121.6490, 34.9680, 82.1680

# Conversions

## Conversions Part 2

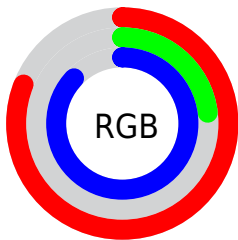
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 59, 223
Decimal	13515743
CIE <sub>Lab</sub>	53.58, 75.83, -54.17
CIE <sub>LCh</sub>	54, 93.196, 324.459
Yxy	21.5775, 0.3015, 0.1613
Android (android.graphics.Color)	4291705823 (0xFFCE3BDF)
YUV	121.6490, 49.9660, 73.9758
Hunter-Lab	46.4516, 73.6955, -59.2080

# Details

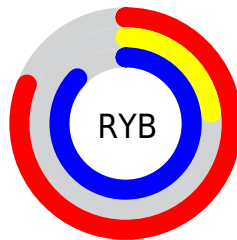
The Yxy color **21.5775, 0.3015, 0.1613** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **54.6404, 0.3081, 0.5581**, and the grayscale version is **19.1736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **8.9931, 0.2911, 0.1377** is the 20% darker color. If you saturate the color by 10%, you get **19.4240, 0.2989, 0.1497**, and if you desaturate by 10%, it is **24.7164, 0.3039, 0.1772**.

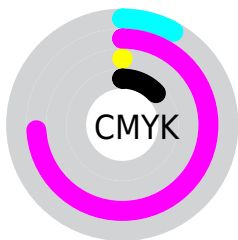
# Distribution



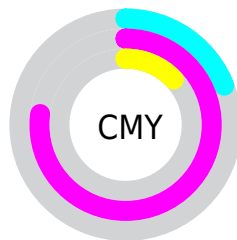
- Red (81%)
- Green (23%)
- Blue (87%)



- Red (81%)
- Yellow (23%)
- Blue (87%)



- Cyan (8%)
- Magenta (74%)
- Yellow (0%)
- Black (13%)




- Cyan (19%)
- Magenta (77%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5775, 0.3015, 0.1613 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 21.5775, 0.3015, 0.1613 by changing the saturation by 10% instead.





 21.5775, 0.3015,  
0.1613


 21.5775, 0.3015,  
0.1613


260.3319, 0.3121,  
0.2399


 13.5468, 0.2974,  
0.1440


 46.0467, 0.3065,  
0.1883


 7.8061, 0.2914,  
0.1233


 63.2540, 0.3080,  
0.1989

 3.9711, 0.2822,  
0.0985


 84.2889, 0.3092,  
0.2081

 1.6574, 0.2676,  
0.0694

 109.5358, 0.3101,  
0.2161

 0.3959, 0.2448,  
0.0310

 139.3792, 0.3108,  
0.2232

 0.0000, 0.2026,  
0.0000

174.2034, 0.3113,

 0.0000, 0.0559,


0.2294

0.0000


214.3928, 0.3118,  
0.2350


 0.0000, 0.0000,  
0.0000


 21.5775, 0.3015,  
0.1613


 21.5775, 0.3015,  
0.1613


 19.4240, 0.2989,  
0.1497


 24.7164, 0.3039,  
0.1772


 18.1186, 0.2963,  
0.1425

 28.9487, 0.3061,  
0.1970

 17.5852, 0.2945,  
0.1396

 34.3715, 0.3080,  
0.2196

 41.0701, 0.3096,  
0.2443

 49.1223, 0.3108,  
0.2699

■ 58.5995, 0.3118,  
0.2955

■ 69.5680, 0.3125,  
0.3205

■ 82.0901, 0.3130,  
0.3442

■ 93.1528, 0.3135,  
0.3619

# Harmonies

## Analogous

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



21.5775, 0.1756, 0.1285



21.5775, 0.3015, 0.1613



21.5775, 0.4756, 0.2229

# Triad

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



21.5775, 0.3015, 0.1613



21.5775, 0.5095, 0.4905



21.5775, 0.0907, 0.2588

# Complementary

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



21.5775, 0.3015, 0.1613



54.6404, 0.3081, 0.5581

# 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.



21.5775, 0.1440, 0.4598



21.5775, 0.3015, 0.1613



21.5775, 0.3803, 0.6049

# Square

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



21.5775, 0.3015, 0.1613



21.5775, 0.5974, 0.3819



21.5775, 0.2515, 0.6345



21.5775, 0.0836, 0.1598



# Rectangle

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



21.5775, 0.3015, 0.1613



21.5775, 0.5713, 0.2730



21.5775, 0.2515, 0.6345



21.5775, 0.1022, 0.3147

# Sweetspot

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



21.5784, 0.3015, 0.1613



68.1916, 0.3110, 0.2734



11.7327, 0.1773, 0.1165



13.9023, 0.3107, 0.2663



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.



21.5784, 0.3015, 0.1613



25.2805, 0.2976, 0.1455



21.3663, 0.4031, 0.2245



13.8595, 0.3121, 0.3058



10.3673, 0.2950, 0.1399



0.7397, 0.2992, 0.1422



# Inverse Universe

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



19.3457, 0.5417, 0.3146



22.4849, 0.6016, 0.3191



55.1179, 0.2777, 0.4828



13.7236, 0.3276, 0.3266



9.2689, 0.6274, 0.3230



0.6504, 0.5976, 0.3066



# Previews

## White Background



This preview shows how the Yxy color 21.5775, 0.3015, 0.1613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

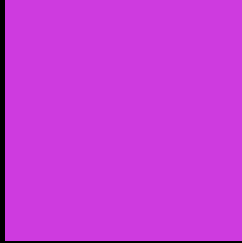
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 21.5775, 0.3015, 0.1613 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

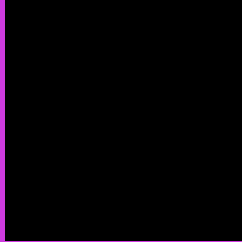
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 21.5775, 0.3015, 0.1613**

## Background



This preview shows how black text looks on a background with the Yxy color 21.5775, 0.3015, 0.1613.



This preview shows how white text looks on a background with the Yxy color 21.5775, 0.3015, 0.1613.

# 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

21.5775, 0.3015, 0.1613

### Protanopia

22.0864, 0.1793, 0.1516

### Deuteranopia

21.9098, 0.2055, 0.1996



## Tritanopia

21.4035, 0.4316, 0.3185

# Trichromacy



## Original Color

21.5775, 0.3015, 0.1613



## Protanomaly

18.2947, 0.1980, 0.1394



## Deuteranomaly

18.9961, 0.2272, 0.1701



## Tritanomaly

20.5693, 0.3806, 0.2463

# Monochromacy



## Original Color

21.5775, 0.3015, 0.1613



## Achromatopsia

19.4618, 0.3127, 0.3290



## Achromatomaly

18.1992, 0.3094, 0.2360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.5775, 0.3015, 0.1613 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(206, 59, 223)` looks like.

```
.text, #text, p{  
    color:rgb(206, 59, 223)  
}
```

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(206, 59, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 59, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 21.5775, 0.3015, 0.1613 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(206, 59, 223) }
```

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

```
.border{ border-color:rgb(206, 59, 223) }
```

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

Here you see how a box with a 4 pixel rgb(206, 59, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 59, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 59, 223);  
box-shadow:4px 4px 4px 4px rgb(206, 59,  
223) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 21.5775, 0.3015, 0.1613$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 59, 223) }
```

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

```
.background{ background-color: rgb(206, 59,  
223) }
```

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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