

# Converting Colors

$Y_{xy}(19.0872, 0.2508, 0.1333)$

Have a look what the booklet for  
Yxy(19.0872, 0.2508, 0.1333)  
contains.

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**Color**

**Yxy(19.0440, 0.2505, 0.1331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF3DF5
RGB	175, 61, 245
RGB Percent	69%, 24%, 96%
CMY	0.3135, 0.7611, 0.0391
CMYK	0.29, 0.75, 0.00, 0.04
HSL	277°, 90%, 60%
HSV	277°, 75%, 96%
XYZ	35.8416, 19.0440, 88.1948
YIQ	116.0620, 8.8800, 81.3920

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 61, 245
Decimal	11484661
CIE Lab	50.74, 73.57, -71.37
CIE LCh	51, 102.495, 315.869
Yxy	19.0440, 0.2505, 0.1331
Android (android.graphics.Color)	4289674741 (0xFFAF3DF5)
YUV	116.0620, 63.5664, 51.6886
Hunter-Lab	43.6394, 70.2354, -89.2768

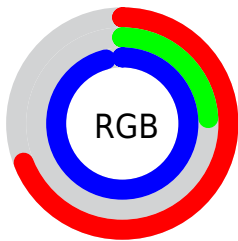
# Details

The Yxy color **19.0440, 0.2505, 0.1331** is a light color, and the websafe version is hex **CC33FF**.

The color can be described as light washed purple. A complement of this color would be **70.4750, 0.3320, 0.5460**, and the grayscale version is **17.2777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0758, 0.3008, 0.1944**, and **7.3438, 0.2269, 0.1023** is the 20% darker color. If you saturate the color by 10%, you get **15.9613, 0.2403, 0.1169**, and if you desaturate by 10%, it is **23.3955, 0.2609, 0.1541**.

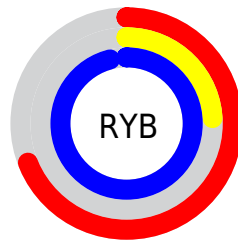
# Distribution



Red (69%)

Green (24%)

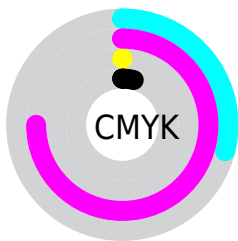
Blue (96%)



Red (69%)

Yellow (24%)

Blue (96%)

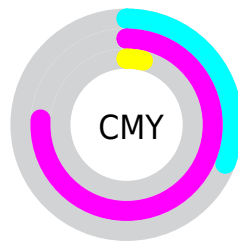


Cyan (29%)

Magenta (75%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (76%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0440, 0.2505, 0.1331 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 19.0440, 0.2505, 0.1331 by changing the saturation by 10% instead.





 19.0440, 0.2505,  
0.1331

 19.0440, 0.2505,  
0.1331


246.6916, 0.2883,  
0.2225


 11.7021, 0.2398,  
0.1146


 41.8084, 0.2654,  
0.1629


 6.5412, 0.2256,  
0.0933


 57.9997, 0.2707,  
0.1749

 3.1768, 0.2065,  
0.0692


 77.9096, 0.2750,  
0.1854

 1.2247, 0.1802,  
0.0431

 101.9225, 0.2786,  
0.1946

 0.0818, 0.1458,  
0.0051

 130.4227, 0.2816,  
0.2028

 0.0000, 0.0955,  
0.0000

163.7947, 0.2842,

 0.0000, 0.0000,

0.2101

0.0000

202.4229, 0.2864,  
0.2166

■ 19.0440, 0.2505,  
0.1331

■ 19.0440, 0.2505,  
0.1331

■ 15.9613, 0.2403,  
0.1169

■ 23.3955, 0.2609,  
0.1541

■ 13.9664, 0.2306,  
0.1059

■ 29.1593, 0.2712,  
0.1788

■ 13.2600, 0.2261,  
0.1019

■ 36.4613, 0.2808,  
0.2060

■ 45.4127, 0.2896,  
0.2344

■ 56.1138, 0.2975,  
0.2628

68.6572, 0.3043,  
0.2903

83.1284, 0.3101,  
0.3163

98.3569, 0.3151,  
0.3386

99.3743, 0.3185,  
0.3386

# Harmonies

## Analogous

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



19.0440, 0.1362, 0.1084



19.0440, 0.2505, 0.1331



19.0440, 0.4385, 0.1894

# Triad

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



19.0440, 0.2505, 0.1331



19.0440, 0.5497, 0.4503



19.0440, 0.0802, 0.2973

# Complementary

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



19.0440, 0.2505, 0.1331



70.4750, 0.3320, 0.5460

# 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.



19.0440, 0.1490, 0.5592



19.0440, 0.2505, 0.1331



19.0440, 0.4114, 0.5886

# Square

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



19.0440, 0.2505, 0.1331



19.0440, 0.6374, 0.3449



19.0440, 0.2700, 0.6889



19.0440, 0.0652, 0.1613



# Rectangle

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



19.0440, 0.2505, 0.1331



19.0440, 0.5651, 0.2393



19.0440, 0.2700, 0.6889



19.0440, 0.0958, 0.3745

# Sweetspot

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



19.0447, 0.2505, 0.1331



64.1326, 0.2990, 0.2686



23.9513, 0.1897, 0.1709



12.7379, 0.2963, 0.2585



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.



19.0447, 0.2505, 0.1331



16.2369, 0.2353, 0.1107



28.1047, 0.3431, 0.1829



16.4354, 0.3077, 0.3052



7.2236, 0.2276, 0.1027



0.6937, 0.2391, 0.1091



# Inverse Universe

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



24.3833, 0.4737, 0.2660



23.1629, 0.5219, 0.2713



66.9268, 0.2958, 0.5480



16.5867, 0.3234, 0.3200



10.9096, 0.5460, 0.2782



0.9782, 0.5121, 0.2595



# Previews

## White Background



This preview shows how the Yxy color 19.0440, 0.2505, 0.1331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

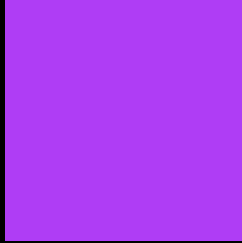
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 19.0440, 0.2505, 0.1331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

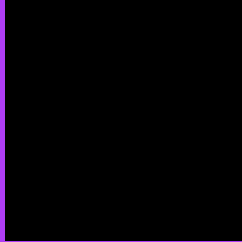
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 19.0440, 0.2505, 0.1331**

## Background



This preview shows how black text looks on a background with the Yxy color 19.0440, 0.2505, 0.1331.



This preview shows how white text looks on a background with the Yxy color 19.0440, 0.2505, 0.1331.

# 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

19.0440, 0.2505, 0.1331

### Protanopia

19.3764, 0.1741, 0.1467

### Deuteranopia

19.3216, 0.1841, 0.1826



## Tritanopia

18.7818, 0.3630, 0.3141

# Trichromacy



## Original Color

19.0440, 0.2505, 0.1331



## Protanomaly

16.2932, 0.1793, 0.1269



## Deuteranomaly

15.8883, 0.1858, 0.1440



## Tritanomaly

17.7396, 0.3139, 0.2215

# Monochromacy



## Original Color

19.0440, 0.2505, 0.1331



## Achromatopsia

17.4647, 0.3127, 0.3290



## Achromatomaly

16.3285, 0.2848, 0.2203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.0440, 0.2505, 0.1331 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(175, 61, 245)` looks like.

```
.text, #text, p{  
    color:rgb(175, 61, 245)  
}
```

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(175, 61, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 61, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 19.0440, 0.2505, 0.1331 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(175, 61, 245) }
```

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

```
.border{ border-color:rgb(175, 61, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 61, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 61, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 61, 245);  
box-shadow:4px 4px 4px 4px rgb(175, 61,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.0440, 0.2505, 0.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 61, 245) }
```

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

```
.background{ background-color: rgb(175, 61,  
245) }
```

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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