

# Converting Colors

$Y_{xy}(39.8891, 0.2345, 0.1475)$

Have a look what the booklet for  
Yxy(39.8891, 0.2345, 0.1475)  
contains.

<b>Yxy(34.6144, 0.2746, 0.1884)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(34.6144, 0.2746, 0.1884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CD7CFF
RGB	205, 124, 255
RGB Percent	80%, 49%, 100%
CMY	0.1958, 0.5139, 0.0000
CMYK	0.20, 0.51, 0.00, 0.00
HSL	277°, 100%, 74%
HSV	277°, 51%, 100%
XYZ	50.4518, 34.6144, 98.6621
YIQ	163.1530, 6.2250, 57.9130

# Conversions

## Conversions Part 2

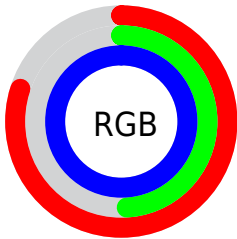
Format	Color
R <sub>Y</sub> B	205, 124, 255
Decimal	13466879
CIE Lab	65.45, 53.77, -53.11
CIE LCh	65, 75.578, 315.356
Yxy	34.6144, 0.2746, 0.1884
Android (android.graphics.Color)	4291656959 (0xFFCD7CFF)
YUV	163.1530, 45.2806, 36.6998
Hunter-Lab	58.8340, 50.1091, -58.2429

# Details

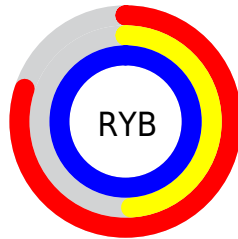
The Yxy color **34.6144, 0.2746, 0.1884** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.9610, 0.3330, 0.4802**, and the grayscale version is **36.4790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **14.8796, 0.2608, 0.1574** is the 20% darker color. If you saturate the color by 10%, you get **27.6898, 0.2645, 0.1626**, and if you desaturate by 10%, it is **43.2745, 0.2841, 0.2163**.

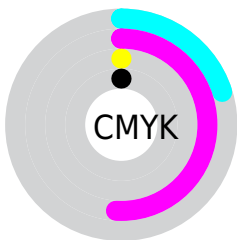
# Distribution



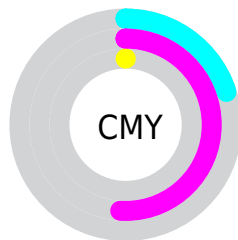
- Red (80%)
- Green (49%)
- Blue (100%)



- Red (80%)
- Yellow (49%)
- Blue (100%)



- Cyan (20%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (51%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6144, 0.2746, 0.1884 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 34.6144, 0.2746, 0.1884 by changing the saturation by 10% instead.





 34.6144, 0.2746,  
0.1884


 34.6144, 0.2746,  
0.1884


322.8630, 0.2963,  
0.2525


 23.3660, 0.2687,  
0.1745


 66.8880, 0.2829,  
0.2102

 14.8640, 0.2611,  
0.1577


 88.6819, 0.2859,  
0.2188

 8.7240, 0.2507,  
0.1375


 114.7599, 0.2884,  
0.2263

 4.5616, 0.2362,  
0.1129

145.5062, 0.2905,  
0.2328

 1.9924, 0.2152,  
0.0831

181.3053, 0.2922,  
0.2386

 0.6031, 0.1838,  
0.0466

222.5415, 0.2938,

 0.0000, 0.1368,

0.2437


0.0000

269.5993, 0.2951,  
0.2483


 0.0000, 0.0000,  
0.0000


 34.6144, 0.2746,  
0.1884

 34.6144, 0.2746,  
0.1884


 27.6898, 0.2645,  
0.1626


 43.2745, 0.2841,  
0.2163


 22.3724, 0.2541,  
0.1400

 53.7912, 0.2926,  
0.2449

 18.5097, 0.2437,  
0.1220

 66.2707, 0.3001,  
0.2731

 15.9202, 0.2337,  
0.1091

 80.8119, 0.3066,  
0.3002

 14.4714, 0.2257,  
0.1017

 97.5068, 0.3120,  
0.3256

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.6144, 0.1890, 0.1684



34.6144, 0.2746, 0.1884



34.6144, 0.3924, 0.2340

# Triad

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



34.6144, 0.2746, 0.1884



34.6144, 0.4987, 0.4476



34.6144, 0.1527, 0.3229

# Complementary

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



34.6144, 0.2746, 0.1884



81.9610, 0.3330, 0.4802

# 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.



34.6144, 0.2170, 0.4600



34.6144, 0.2746, 0.1884



34.6144, 0.4155, 0.5213

# Square

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



34.6144, 0.2746, 0.1884



34.6144, 0.5359, 0.3695



34.6144, 0.3139, 0.5438



34.6144, 0.1303, 0.2242



# Rectangle

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



34.6144, 0.2746, 0.1884



34.6144, 0.4682, 0.2751



34.6144, 0.3139, 0.5438



34.6144, 0.1693, 0.3673

# Sweetspot

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



34.6133, 0.2746, 0.1884



75.3164, 0.3043, 0.2906



41.8483, 0.2259, 0.2276



15.4617, 0.3030, 0.2849



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.



34.6133, 0.2746, 0.1884



27.3199, 0.2639, 0.1611



41.9393, 0.3323, 0.2173



17.9344, 0.3077, 0.3051



7.6500, 0.2272, 0.1025



0.8076, 0.2377, 0.1083



# Inverse Universe

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



38.7171, 0.4025, 0.2779



32.2303, 0.4326, 0.2702



77.6734, 0.2984, 0.4755



18.1016, 0.3234, 0.3200



11.5883, 0.5461, 0.2782

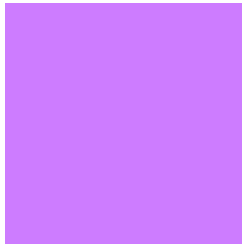


1.1488, 0.5153, 0.2612



# Previews

## White Background



This preview shows how the Yxy color 34.6144, 0.2746, 0.1884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

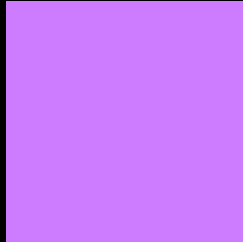
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.6144, 0.2746, 0.1884 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

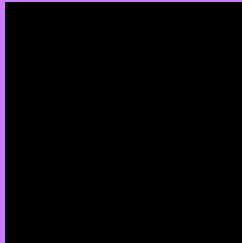
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.6144, 0.2746, 0.1884**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.6144, 0.2746, 0.1884.



This preview shows how white text looks on a background with the Yxy color 34.6144, 0.2746, 0.1884.

# 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

34.6144, 0.2746, 0.1884

### Protanopia

34.9900, 0.2190, 0.2034

### Deuteranopia

35.0183, 0.2187, 0.2126



## Tritanopia

34.6302, 0.3456, 0.3143

# Trichromacy



## Original Color

34.6144, 0.2746, 0.1884



## Protanomaly

33.7458, 0.2351, 0.1945



## Deuteranomaly

33.6338, 0.2342, 0.1992



## Tritanomaly

33.9624, 0.3170, 0.2596

# Monochromacy



## Original Color

34.6144, 0.2746, 0.1884



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

34.9454, 0.2984, 0.2669

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.6144, 0.2746, 0.1884 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, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 124, 255)  
}
```

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, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 124, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 34.6144, 0.2746, 0.1884 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, 124, 255) }
```

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

```
.border{ border-color:rgb(205, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 124,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.6144, 0.2746, 0.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 124, 255) }
```

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

```
.background{ background-color: rgb(205,  
124, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor