

# Converting Colors

$Yxy(37.4387, 0.2682, 0.2005)$

Have a look what the booklet for  
Yxy(37.4387, 0.2682, 0.2005)  
contains.

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# Color

**Yxy(37.4210, 0.2681, 0.2005)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C48BFF
RGB	196, 139, 255
RGB Percent	77%, 55%, 100%
CMY	0.2315, 0.4548, 0.0001
CMYK	0.23, 0.45, 0.00, 0.00
HSL	269°, 100%, 77%
HSV	269°, 45%, 100%
XYZ	50.0378, 37.4210, 99.1796
YIQ	169.2670, -3.2640, 48.1600

# Conversions

## Conversions Part 2

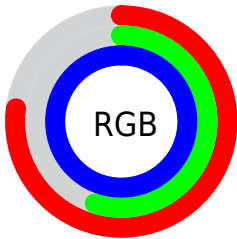
Format	Color
R <sub>Y</sub> B	196, 139, 255
Decimal	12880895
CIE Lab	67.59, 43.42, -49.75
CIE LCh	68, 66.033, 311.113
Yxy	37.4210, 0.2681, 0.2005
Android (android.graphics.Color)	4291070975 (0xFFC48BFF)
YUV	169.2670, 42.2664, 23.4448
Hunter-Lab	61.1727, 38.9563, -53.3063

# Details

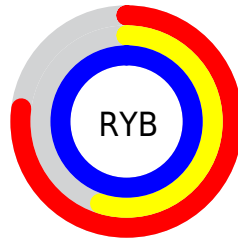
The Yxy color  $37.4210, 0.2681, 0.2005$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $85.3871, 0.3414, 0.4574$ , and the grayscale version is  $39.6039, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $66.8744, 0.3148, 0.2691$ , and  $16.4691, 0.2538, 0.1712$  is the 20% darker color. If you saturate the color by 10%, you get  $29.2126, 0.2551, 0.1711$ , and if you desaturate by 10%, it is  $47.5047, 0.2802, 0.2307$ .

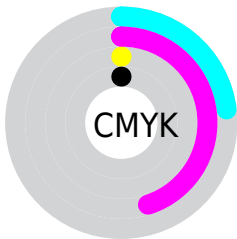
# Distribution



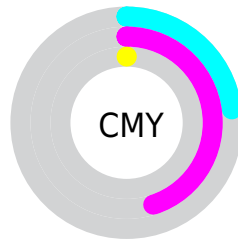
- Red (77%)
- Green (55%)
- Blue (100%)



- Red (77%)
- Yellow (55%)
- Blue (100%)



- Cyan (23%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)




- Cyan (23%)
- Magenta (45%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4210, 0.2681, 0.2005 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 37.4210, 0.2681, 0.2005 by changing the saturation by 10% instead.





 37.4210, 0.2681,  
0.2005


 37.4210, 0.2681,  
0.2005


335.1296, 0.2922,  
0.2596

 25.5336, 0.2618,  
0.1875


 71.2198, 0.2771,  
0.2207

 16.4751, 0.2537,  
0.1717


 93.9000, 0.2804,  
0.2286

 9.8609, 0.2430,  
0.1525


 120.9467, 0.2832,  
0.2355

 5.3069, 0.2282,  
0.1287

152.7441, 0.2855,  
0.2416

 2.4284, 0.2070,  
0.0992

189.6767, 0.2876,  
0.2469

 0.8404, 0.1756,  
0.0635

232.1289, 0.2893,


 0.0000, 0.1313,


0.2516


0.0000

280.4851, 0.2908,  
0.2558

 0.0000, 0.0000,  
0.0000

 37.4210, 0.2681,  
0.2005


 37.4210, 0.2681,  
0.2005


 29.2126, 0.2551,  
0.1711

 47.5047, 0.2802,  
0.2307


 22.7499, 0.2415,  
0.1441


 59.5726, 0.2910,  
0.2605

 17.8931, 0.2280,  
0.1210

 73.7305, 0.3006,  
0.2889

 14.4779, 0.2151,  
0.1030

 90.0750, 0.3088,  
0.3154

 12.3018, 0.2035,  
0.0909

99.9990, 0.3127,  
0.3290

■ 11.5941, 0.1987,  
0.0868

# Harmonies

## Analogous

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



37.4210, 0.1964, 0.1862



37.4210, 0.2681, 0.2005



37.4210, 0.3670, 0.2390

# Triad

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



37.4210, 0.2681, 0.2005



37.4210, 0.4854, 0.4296



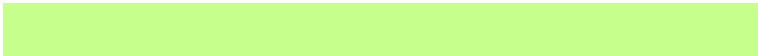
37.4210, 0.1791, 0.3415

# Complementary

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



37.4210, 0.2681, 0.2005



85.3871, 0.3414, 0.4574

# 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.



37.4210, 0.2430, 0.4526



37.4210, 0.2681, 0.2005



37.4210, 0.4193, 0.4914

# Square

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



37.4210, 0.2681, 0.2005



37.4210, 0.5053, 0.3607



37.4210, 0.3312, 0.5122



37.4210, 0.1519, 0.2495



# Rectangle

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



37.4210, 0.2681, 0.2005



37.4210, 0.4332, 0.2751



37.4210, 0.3312, 0.5122



37.4210, 0.1965, 0.3794

# Sweetspot

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



37.4225, 0.2681, 0.2005



76.0149, 0.3018, 0.2929



53.5284, 0.2396, 0.2611



15.5626, 0.2999, 0.2870



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.



37.4225, 0.2681, 0.2005



29.5673, 0.2557, 0.1725



46.5840, 0.3163, 0.2173



17.8156, 0.3056, 0.3050



6.1473, 0.2004, 0.0877



0.6633, 0.2127, 0.0945



# Inverse Universe

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



43.8091, 0.3718, 0.2685



37.0155, 0.3906, 0.2571



79.0340, 0.3070, 0.4721



18.1414, 0.3214, 0.3170



11.9783, 0.4926, 0.2487

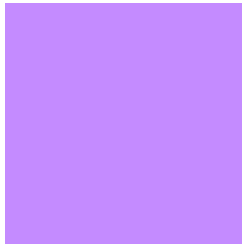


1.1884, 0.4677, 0.2350



# Previews

## White Background



This preview shows how the Yxy color 37.4210, 0.2681, 0.2005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

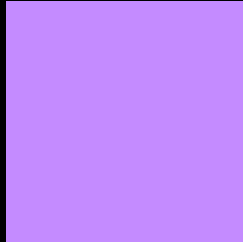
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.4210, 0.2681, 0.2005 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

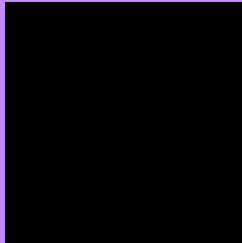
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.4210, 0.2681, 0.2005**

## Background



This preview shows how black text looks on a background with the Yxy color 37.4210, 0.2681, 0.2005.



This preview shows how white text looks on a background with the Yxy color 37.4210, 0.2681, 0.2005.

# 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

37.4210, 0.2681, 0.2005

### Protanopia

37.8065, 0.2260, 0.2127

### Deuteranopia

37.7381, 0.2255, 0.2191



## Tritanopia

37.2178, 0.3232, 0.3114

# Trichromacy



## Original Color

37.4210, 0.2681, 0.2005



## Protanomaly

37.2012, 0.2390, 0.2071



## Deuteranomaly

36.9550, 0.2381, 0.2102



## Tritanomaly

36.8366, 0.3007, 0.2639

# Monochromacy



## Original Color

37.4210, 0.2681, 0.2005



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

38.2076, 0.2961, 0.2743

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.4210, 0.2681, 0.2005 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(196, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 139, 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(196, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 139, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 37.4210, 0.2681, 0.2005 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(196, 139, 255) }
```

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

```
.border{ border-color:rgb(196, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 139,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.4210, 0.2681, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 139, 255) }
```

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

```
.background{ background-color: rgb(196,  
139, 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](#).

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