

# Converting Colors

$Y_{xy}(50.1559, 0.2474, 0.1978)$

Have a look what the booklet for  
Yxy(50.1559, 0.2474, 0.1978)  
contains.

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# Color

**Yxy(47.0956, 0.2714, 0.2320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5A8FF
RGB	197, 168, 255
RGB Percent	77%, 66%, 100%
CMY	0.2272, 0.3413, 0.0000
CMYK	0.23, 0.34, 0.00, 0.00
HSL	260°, 100%, 83%
HSV	260°, 34%, 100%
XYZ	55.0937, 47.0956, 100.8089
YIQ	186.5890, -10.6430, 33.2050

# Conversions

## Conversions Part 2

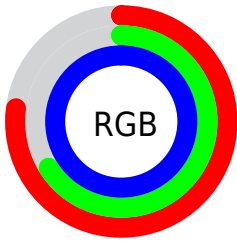
Format	Color
<a href="#">RYB</a>	<a href="#">197, 168, 255</a>
Decimal	<a href="#">12953855</a>
CIELab	<a href="#">74.25, 27.88, -39.32</a>
CIELCh	<a href="#">74, 48.205, 305.337</a>
Yxy	<a href="#">47.0956, 0.2714, 0.2320</a>
Android (android.graphics.Color)	<a href="#">4291143935</a> ( <a href="#">0xFFC5A8FF</a> )
YUV	<a href="#">186.5890, 33.7266, 9.1304</a>
Hunter-Lab	<a href="#">68.6262, 23.2054, -39.0561</a>

# Details

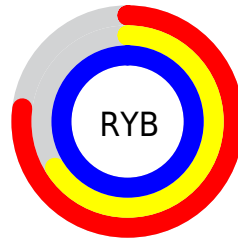
The Yxy color **47.0956, 0.2714, 0.2320** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.5001, 0.3445, 0.4204**, and the grayscale version is **49.2654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2554, 0.3142, 0.2980**, and **22.3188, 0.2598, 0.2102** is the 20% darker color. If you saturate the color by 10%, you get **36.4227, 0.2559, 0.1999**, and if you desaturate by 10%, it is **59.8738, 0.2855, 0.2631**.

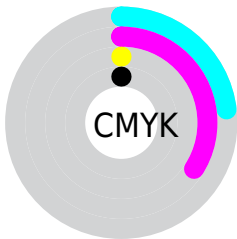
# Distribution



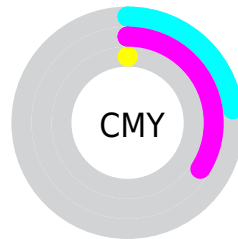
- Red (77%)
- Green (66%)
- Blue (100%)



- Red (77%)
- Yellow (66%)
- Blue (100%)



- Cyan (23%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (23%)
- Magenta (34%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0956, 0.2714, 0.2320 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 47.0956, 0.2714, 0.2320 by changing the saturation by 10% instead.





 47.0956, 0.2714,  
0.2320


 47.0956, 0.2714,  
0.2320


375.1960, 0.2924,  
0.2768

 33.1112, 0.2662,  
0.2220


 85.8563, 0.2790,  
0.2474

 22.2117, 0.2596,  
0.2097


 111.4014, 0.2819,  
0.2534

 14.0125, 0.2509,  
0.1944

141.5689, 0.2843,  
0.2587

 8.1294, 0.2392,  
0.1750

176.7432, 0.2864,  
0.2632

 4.1778, 0.2227,  
0.1499

217.3087, 0.2882,  
0.2672

 1.7735, 0.1982,  
0.1166

263.6497, 0.2898,

 0.4706, 0.1613,

0.2708

0.0654

316.1507, 0.2912,  
0.2739

0.0000, 0.0292,  
0.0000

0.0000, 0.0000,  
0.0000

47.0956, 0.2714,  
0.2320

47.0956, 0.2714,  
0.2320

36.4227, 0.2559,  
0.1999

59.8738, 0.2855,  
0.2631

27.7362, 0.2394,  
0.1679

74.8630, 0.2979,  
0.2922

20.9081, 0.2225,  
0.1380

92.1641, 0.3087,  
0.3188

15.7941, 0.2062,  
0.1120

100.0000, 0.3127,  
0.3290

■ 12.2274, 0.1914,  
0.0917

■ 10.0056, 0.1790,  
0.0780

■ 9.1630, 0.1729,  
0.0726

# Harmonies

## Analogous

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



47.0956, 0.2224, 0.2261



47.0956, 0.2714, 0.2320



47.0956, 0.3376, 0.2579

# Triad

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



47.0956, 0.2714, 0.2320



47.0956, 0.4406, 0.3985



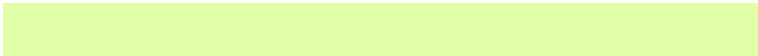
47.0956, 0.2266, 0.3539

# Complementary

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



47.0956, 0.2714, 0.2320



90.5001, 0.3445, 0.4204

# 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.



47.0956, 0.2787, 0.4196



47.0956, 0.2714, 0.2320



47.0956, 0.4030, 0.4390

# Square

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



47.0956, 0.2714, 0.2320



47.0956, 0.4419, 0.3483



47.0956, 0.3433, 0.4515



47.0956, 0.1986, 0.2877



# Rectangle

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



47.0956, 0.2714, 0.2320



47.0956, 0.3828, 0.2840



47.0956, 0.3433, 0.4515



47.0956, 0.2416, 0.3776

# Sweetspot

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



47.0963, 0.2714, 0.2320



81.7172, 0.3026, 0.3035



69.9307, 0.2599, 0.2961



16.9817, 0.3010, 0.2997



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.



47.0963, 0.2714, 0.2320



39.5409, 0.2609, 0.2100



53.8288, 0.3051, 0.2410



17.6727, 0.3031, 0.3048



4.8605, 0.1744, 0.0735



0.5302, 0.1866, 0.0801



# Inverse Universe

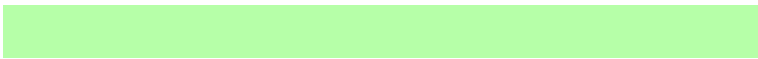
The Inverse Universe completely reimagines the original color for something new.



54.7425, 0.3405, 0.2703



48.3864, 0.3480, 0.2585



84.3500, 0.3165, 0.4290



18.1911, 0.3190, 0.3133



12.6493, 0.4281, 0.2132

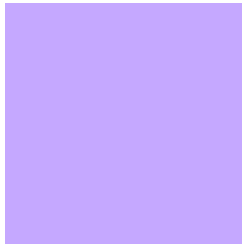


1.2519, 0.4127, 0.2047



# Previews

## White Background



This preview shows how the Yxy color 47.0956, 0.2714, 0.2320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

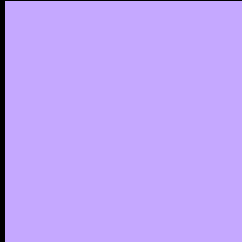
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0956, 0.2714, 0.2320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

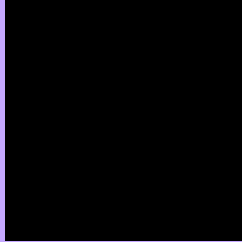
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.0956, 0.2714, 0.2320**

## Background



This preview shows how black text looks on a background with the Yxy color 47.0956, 0.2714, 0.2320.



This preview shows how white text looks on a background with the Yxy color 47.0956, 0.2714, 0.2320.

# 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

47.0956, 0.2714, 0.2320

### Protanopia

47.2334, 0.2470, 0.2397

### Deuteranopia

47.1444, 0.2492, 0.2428



## Tritanopia

46.9767, 0.3068, 0.3112

# Trichromacy



## Original Color

47.0956, 0.2714, 0.2320

## Protanomaly

47.1549, 0.2553, 0.2370

## Deuteranomaly

47.0268, 0.2565, 0.2389

## Tritanomaly

46.9557, 0.2934, 0.2803

# Monochromacy



## Original Color

47.0956, 0.2714, 0.2320

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

48.4723, 0.2972, 0.2899

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0956, 0.2714, 0.2320 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(197, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 168, 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(197, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 168, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0956, 0.2714, 0.2320 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(197, 168, 255) }
```

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

```
.border{ border-color:rgb(197, 168, 255) }
```

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

Here you see how a box with a 4 pixel rgb(197, 168, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 168,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0956, 0.2714, 0.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 168, 255) }
```

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

```
.background{ background-color: rgb(197,  
168, 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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