

# Converting Colors

$Yxy(49.6345, 0.2597, 0.2524)$

Have a look what the booklet for  
Yxy(49.6345, 0.2597, 0.2524)  
contains.

<b>Yxy(49.4149, 0.2597, 0.2522)</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(49.4149, 0.2597, 0.2522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACB7F8
RGB	172, 183, 248
RGB Percent	67%, 72%, 97%
CMY	0.3255, 0.2823, 0.0276
CMYK	0.31, 0.26, 0.00, 0.03
HSL	231°, 84%, 82%
HSV	231°, 31%, 97%
XYZ	50.8844, 49.4149, 95.6361
YIQ	187.1210, -27.4210, 17.8830

# Conversions

## Conversions Part 2

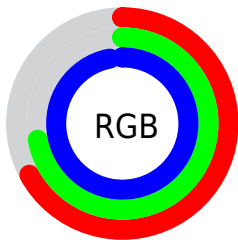
Format	Color
R <sub>Y</sub> B	172, 182, 248
Decimal	11319288
CIE Lab	75.71, 10.70, -33.42
CIE LCh	76, 35.088, 287.750
Yxy	49.4149, 0.2597, 0.2522
Android (android.graphics.Color)	4289509368 (0xFFACB7F8)
YUV	187.1210, 30.0133, -13.2611
Hunter-Lab	70.2957, 6.1918, -31.4559

# Details

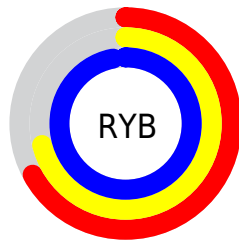
The Yxy color  $49.4149, 0.2597, 0.2522$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $83.4691, 0.3622, 0.3956$ , and the grayscale version is  $49.6051, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.6110, 0.2968, 0.3128$ , and  $23.5784, 0.2462, 0.2335$  is the 20% darker color. If you saturate the color by 10%, you get  $38.7703, 0.2398, 0.2219$ , and if you desaturate by 10%, it is  $61.9041, 0.2786, 0.2802$ .

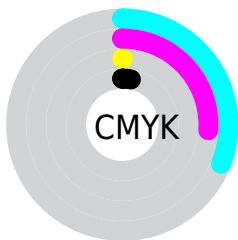
# Distribution



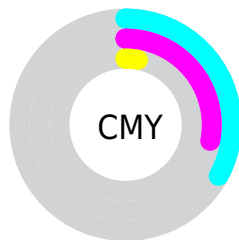
- Red (67%)
- Green (72%)
- Blue (97%)



- Red (67%)
- Yellow (71%)
- Blue (97%)



- Cyan (31%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)



- Cyan (33%)
- Magenta (28%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4149, 0.2597, 0.2522 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 49.4149, 0.2597, 0.2522 by changing the saturation by 10% instead.



■ 49.4149, 0.2597,  
0.2522

■ 49.4149, 0.2597,  
0.2522

384.3734, 0.2856,  
0.2885

■ 34.9487, 0.2535,  
0.2438

■ 89.3074, 0.2689,  
0.2649

■ 23.6234, 0.2457,  
0.2334

115.5024, 0.2725,  
0.2698

■ 15.0545, 0.2356,  
0.2202

146.3759, 0.2755,  
0.2741

■ 8.8576, 0.2222,  
0.2031

182.3122, 0.2781,  
0.2777

■ 4.6484, 0.2036,  
0.1801

223.6957, 0.2803,  
0.2809

■ 2.0425, 0.1766,  
0.1482

270.9108, 0.2823,

■ 0.6320, 0.1361,

0.2838

0.0998


324.3419, 0.2841,  
0.2863


 0.0000, 0.0000,  
0.0000


 49.4149, 0.2597,  
0.2522


 49.4149, 0.2597,  
0.2522

 38.7703, 0.2398,  
0.2219


 61.9041, 0.2786,  
0.2802


 29.8768, 0.2195,  
0.1902

 76.3141, 0.2960,  
0.3054

 22.6409, 0.2000,  
0.1585

 92.7237, 0.3118,  
0.3277

 16.9583, 0.1825,  
0.1287

 99.5553, 0.3168,  
0.3357

 12.7124, 0.1683,  
0.1028

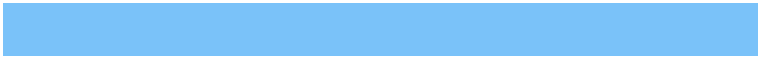
■ 9.7694, 0.1583,  
0.0827

■ 8.0344, 0.1528,  
0.0699

# Harmonies

## Analogous

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



49.4149, 0.2326, 0.2591



49.4149, 0.2597, 0.2522



49.4149, 0.3025, 0.2630

# Triad

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



49.4149, 0.2597, 0.2522



49.4149, 0.4088, 0.3615



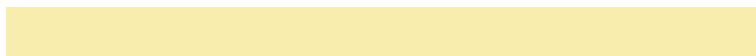
49.4149, 0.2715, 0.3751

# Complementary

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



49.4149, 0.2597, 0.2522



83.4691, 0.3622, 0.3956

# 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.



49.4149, 0.3169, 0.4089



49.4149, 0.2597, 0.2522



49.4149, 0.3976, 0.3955

# Square

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



49.4149, 0.2597, 0.2522



49.4149, 0.3918, 0.3231



49.4149, 0.3633, 0.4150



49.4149, 0.2388, 0.3274



# Rectangle

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



49.4149, 0.2597, 0.2522



49.4149, 0.3354, 0.2784



49.4149, 0.3633, 0.4150



49.4149, 0.2858, 0.3888

# Sweetspot

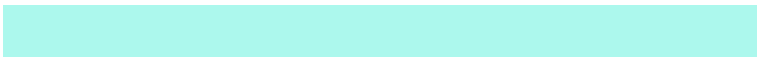
The Sweet Spot groups the original color and five complimentary colors.



49.4168, 0.2597, 0.2522



84.0174, 0.2987, 0.3092



81.9745, 0.2742, 0.3417



17.4655, 0.2963, 0.3058



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.



49.4168, 0.2597, 0.2522



45.1610, 0.2470, 0.2330



48.3637, 0.2775, 0.2434



17.0490, 0.2979, 0.3081



4.4617, 0.1532, 0.0716



0.5317, 0.1581, 0.0890



# Inverse Universe

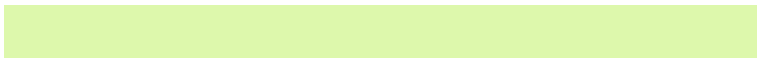
The Inverse Universe completely reimagines the original color for something new.



52.8729, 0.3721, 0.3173



49.6965, 0.3902, 0.3148



85.5248, 0.3406, 0.4107



17.2662, 0.3271, 0.3256



10.8613, 0.6207, 0.3193

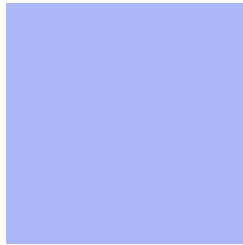


1.0179, 0.5927, 0.3039



# Previews

## White Background



This preview shows how the Yxy color 49.4149, 0.2597, 0.2522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

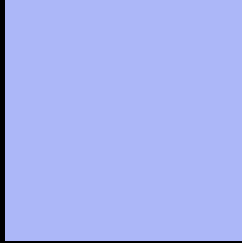
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4149, 0.2597, 0.2522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

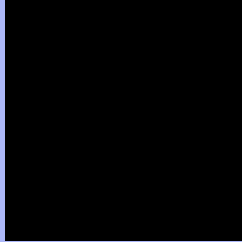
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.4149, 0.2597, 0.2522**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4149, 0.2597, 0.2522.



This preview shows how white text looks on a background with the Yxy color 49.4149, 0.2597, 0.2522.

# 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

49.4149, 0.2597, 0.2522

### Protanopia

49.4454, 0.2566, 0.2518

### Deuteranopia

49.1903, 0.2584, 0.2519



## Tritanopia

49.5044, 0.2805, 0.3095

# Trichromacy



## Original Color

49.4149, 0.2597, 0.2522

## Protanomaly

49.5555, 0.2573, 0.2520

## Deuteranomaly

49.3022, 0.2590, 0.2520

## Tritanomaly

49.2939, 0.2726, 0.2874

# Monochromacy



## Original Color

49.4149, 0.2597, 0.2522

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.6663, 0.2924, 0.3003

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4149, 0.2597, 0.2522 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(172, 183, 248)` looks like.

```
.text, #text, p{  
    color:rgb(172, 183, 248)  
}
```

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(172, 183, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 183, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4149, 0.2597, 0.2522 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(172, 183, 248) }
```

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

```
.border{ border-color:rgb(172, 183, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 183, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 183, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 183, 248);  
box-shadow:4px 4px 4px 4px rgb(172, 183,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4149, 0.2597, 0.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 183, 248) }
```

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

```
.background{ background-color: rgb(172,  
183, 248) }
```

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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