

# Converting Colors

$Yxy(62.1706, 0.2808, 0.2772)$

Have a look what the booklet for  
Yxy(62.1706, 0.2808, 0.2772)  
contains.

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# Color

**Yxy(62.1706, 0.2808, 0.2772)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CACBFA
RGB	202, 203, 250
RGB Percent	79%, 80%, 98%
CMY	0.2077, 0.2040, 0.0196
CMYK	0.19, 0.19, 0.00, 0.02
HSL	239°, 83%, 89%
HSV	239°, 19%, 98%
XYZ	62.9780, 62.1706, 99.1321
YIQ	208.0590, -15.6830, 14.4050

# Conversions

## Conversions Part 2

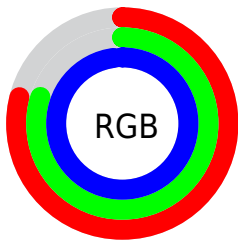
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 203, 250
Decimal	13290490
CIE Lab	83.00, 9.16, -23.15
CIE LCh	83, 24.891, 291.588
Yxy	62.1706, 0.2808, 0.2772
Android (android.graphics.Color)	4291480570 (0xFFCACBFA)
YUV	208.0590, 20.6769, -5.3137
Hunter-Lab	78.8483, 4.5875, -19.3485

# Details

The Yxy color  $62.1706, 0.2808, 0.2772$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $92.3839, 0.3419, 0.3760$ , and the grayscale version is  $62.9933, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $31.5482, 0.2728, 0.2656$  is the 20% darker color. If you saturate the color by 10%, you get  $48.2885, 0.2613, 0.2454$ , and if you desaturate by 10%, it is  $78.4524, 0.2984, 0.3058$ .

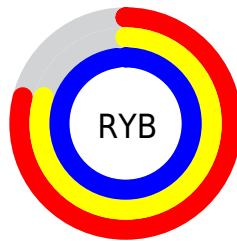
# Distribution



Red (79%)

Green (80%)

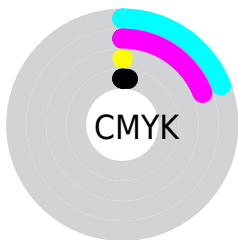
Blue (98%)



Red (79%)

Yellow (80%)

Blue (98%)

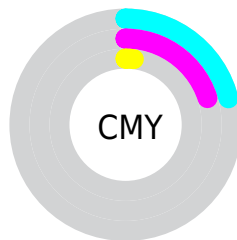


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (2%)



Cyan (21%)

Magenta (20%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1706, 0.2808, 0.2772 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 62.1706, 0.2808, 0.2772 by changing the saturation by 10% instead.



■ 62.1706, 0.2808,  
0.2772

■ 62.1706, 0.2808,  
0.2772

432.5531, 0.2960,  
0.3012

■ 45.1706, 0.2772,  
0.2718

107.9721, 0.2861,  
0.2855

■ 31.5918, 0.2728,  
0.2651

137.5423, 0.2882,  
0.2887

■ 21.0499, 0.2671,  
0.2566

172.0713, 0.2900,  
0.2915

■ 13.1605, 0.2596,  
0.2457

211.9436, 0.2915,  
0.2939

■ 7.5391, 0.2493,  
0.2309

257.5436, 0.2928,  
0.2961

■ 3.8015, 0.2342,  
0.2101

309.2555, 0.2940,

■ 1.5632, 0.2104,

0.2980

0.1791

367.4639, 0.2951,  
0.2996

0.3326, 0.1660,  
0.1023

0.0000, 0.0000,  
0.0000

62.1706, 0.2808,  
0.2772

62.1706, 0.2808,  
0.2772

48.2885, 0.2613,  
0.2454

78.4524, 0.2984,  
0.3058

36.6855, 0.2403,  
0.2111

97.2316, 0.3139,  
0.3309

27.2422, 0.2188,  
0.1757

99.6829, 0.3156,  
0.3338

19.8251, 0.1979,  
0.1412

■ 14.2861, 0.1793,  
0.1103

■ 10.4570, 0.1647,  
0.0857

■ 8.1394, 0.1551,  
0.0693

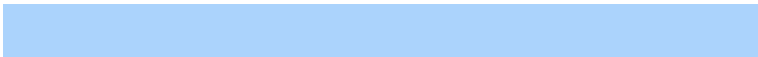
■ 7.0664, 0.1505,  
0.0613

■ 7.0100, 0.1502,  
0.0608

# Harmonies

## Analogous

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



62.1706, 0.2604, 0.2811



62.1706, 0.2808, 0.2772



62.1706, 0.3106, 0.2858

# Triad

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



62.1706, 0.2808, 0.2772



62.1706, 0.3758, 0.3553



62.1706, 0.2824, 0.3551

# Complementary

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



62.1706, 0.2808, 0.2772



92.3839, 0.3419, 0.3760

# 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.



62.1706, 0.3123, 0.3781



62.1706, 0.2808, 0.2772



62.1706, 0.3669, 0.3763

# Square

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



62.1706, 0.2808, 0.2772



62.1706, 0.3668, 0.3293



62.1706, 0.3433, 0.3855



62.1706, 0.2613, 0.3249



# Rectangle

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



62.1706, 0.2808, 0.2772



62.1706, 0.3321, 0.2973



62.1706, 0.3433, 0.3855



62.1706, 0.2917, 0.3641

# Sweetspot

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



62.1731, 0.2808, 0.2772



88.0142, 0.3035, 0.3141



87.7442, 0.2847, 0.3306



18.5718, 0.3025, 0.3125



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.



62.1731, 0.2808, 0.2772



59.1664, 0.2735, 0.2654



65.0804, 0.2964, 0.2785



16.6979, 0.2979, 0.3049



3.7420, 0.1503, 0.0612



0.3653, 0.1512, 0.0642



# Inverse Universe

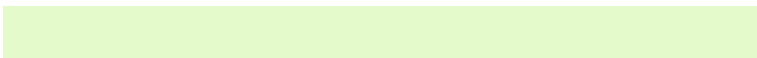
The Inverse Universe completely reimagines the original color for something new.



66.8992, 0.3499, 0.3281



64.9525, 0.3595, 0.3279



89.0779, 0.3267, 0.3793



17.2308, 0.3291, 0.3286



10.7887, 0.6380, 0.3289

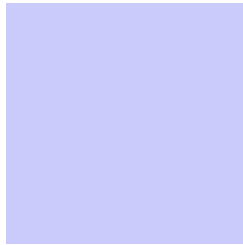


1.0011, 0.6330, 0.3261



# Previews

## White Background



This preview shows how the Yxy color 62.1706, 0.2808, 0.2772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

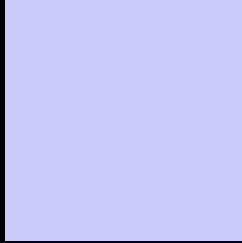
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1706, 0.2808, 0.2772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

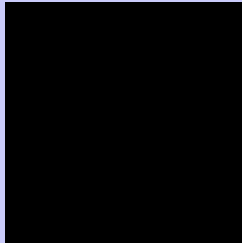
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.1706, 0.2808, 0.2772**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1706, 0.2808, 0.2772.

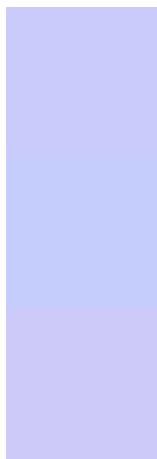


This preview shows how white text looks on a background with the Yxy color 62.1706, 0.2808, 0.2772.

# 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

62.1706, 0.2808, 0.2772

### Protanopia

62.3634, 0.2763, 0.2779

### Deuteranopia

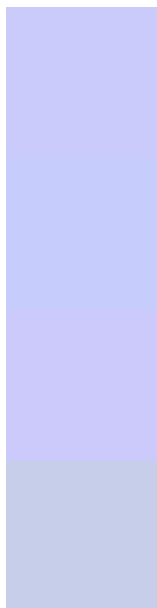
62.1223, 0.2828, 0.2764



## Tritanopia

62.3639, 0.2939, 0.3105

# Trichromacy



## Original Color

62.1706, 0.2808, 0.2772

## Protanomaly

62.1565, 0.2776, 0.2770

## Deuteranomaly

61.9806, 0.2821, 0.2763

## Tritanomaly

62.1679, 0.2895, 0.2983

# Monochromacy



## Original Color

62.1706, 0.2808, 0.2772

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

62.5921, 0.3010, 0.3097

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1706, 0.2808, 0.2772 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(202, 203, 250)` looks like.

```
.text, #text, p{  
    color:rgb(202, 203, 250)  
}
```

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(202, 203, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 203, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1706, 0.2808, 0.2772 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(202, 203, 250) }
```

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

```
.border{ border-color:rgb(202, 203, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 203, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 203, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 203, 250);  
box-shadow:4px 4px 4px 4px rgb(202, 203,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1706, 0.2808, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 203, 250) }
```

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

```
.background{ background-color: rgb(202,  
203, 250) }
```

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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