

# Converting Colors

$Yxy(60.1146, 0.2810, 0.2776)$

Have a look what the booklet for  
Yxy(60.1146, 0.2810, 0.2776)  
contains.

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# Color

**Yxy(60.1045, 0.2810, 0.2776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7C8F6
RGB	199, 200, 246
RGB Percent	78%, 78%, 96%
CMY	0.2196, 0.2157, 0.0354
CMYK	0.19, 0.19, 0.00, 0.04
HSL	239°, 72%, 87%
HSV	239°, 19%, 96%
XYZ	60.8407, 60.1045, 95.5696
YIQ	204.9450, -15.3620, 14.0940

# Conversions

## Conversions Part 2

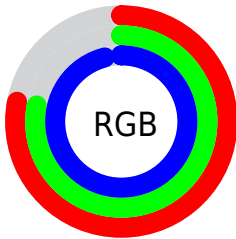
Format	Color
R <sub>Y</sub> B	199, 200, 246
Decimal	13093110
CIE Lab	81.89, 8.95, -22.71
CIE LCh	82, 24.408, 291.514
Yxy	60.1045, 0.2810, 0.2776
Android (android.graphics.Color)	4291283190 (0xFFC7C8F6)
YUV	204.9450, 20.2401, -5.2138
Hunter-Lab	77.5271, 4.4084, -18.8193

# Details

The Yxy color **60.1045, 0.2810, 0.2776** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.0094, 0.3417, 0.3757**, and the grayscale version is **60.8914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **30.2952, 0.2730, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **46.7218, 0.2615, 0.2459**, and if you desaturate by 10%, it is **75.7918, 0.2985, 0.3061**.

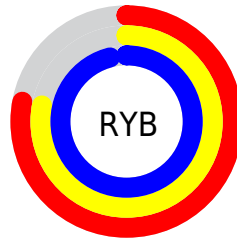
# Distribution



Red (78%)

Green (78%)

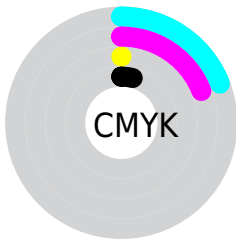
Blue (96%)



Red (78%)

Yellow (78%)

Blue (96%)

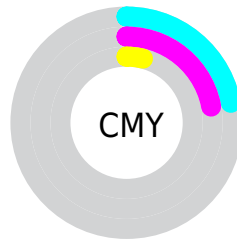


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (4%)



Cyan (22%)

Magenta (22%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1045, 0.2810, 0.2776 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 60.1045, 0.2810, 0.2776 by changing the saturation by 10% instead.



■ 60.1045, 0.2810,  
0.2776

■ 60.1045, 0.2810,  
0.2776

424.9828, 0.2962,  
0.3015

■ 43.5029, 0.2774,  
0.2721

104.9812, 0.2864,  
0.2859

■ 30.2799, 0.2729,  
0.2654

134.0251, 0.2884,  
0.2891

■ 20.0511, 0.2672,  
0.2568

167.9853, 0.2902,  
0.2919

■ 12.4322, 0.2596,  
0.2457

207.2460, 0.2917,  
0.2943

■ 7.0387, 0.2490,  
0.2306

252.1917, 0.2930,  
0.2965

■ 3.4863, 0.2334,  
0.2092

303.2068, 0.2942,

■ 1.3906, 0.2086,

0.2983

0.1769

360.6757, 0.2953,  
0.3000

0.2098, 0.1537,  
0.0772

0.0000, 0.0000,  
0.0000

60.1045, 0.2810,  
0.2776

60.1045, 0.2810,  
0.2776

46.7218, 0.2615,  
0.2459

75.7918, 0.2985,  
0.3061

35.5283, 0.2406,  
0.2117

93.8772, 0.3140,  
0.3311

26.4097, 0.2191,  
0.1763

99.4328, 0.3179,  
0.3376

19.2385, 0.1982,  
0.1419

■ 13.8732, 0.1796,  
0.1110

■ 10.1529, 0.1650,  
0.0863

■ 7.8886, 0.1553,  
0.0697

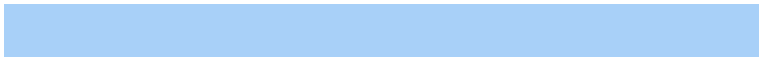
■ 6.8279, 0.1506,  
0.0614

■ 6.7664, 0.1503,  
0.0609

# Harmonies

## Analogous

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



60.1045, 0.2608, 0.2815



60.1045, 0.2810, 0.2776



60.1045, 0.3105, 0.2861

# Triad

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



60.1045, 0.2810, 0.2776



60.1045, 0.3753, 0.3551



60.1045, 0.2827, 0.3550

# Complementary

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



60.1045, 0.2810, 0.2776



89.0094, 0.3417, 0.3757

# 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.



60.1045, 0.3124, 0.3777



60.1045, 0.2810, 0.2776



60.1045, 0.3665, 0.3759

# Square

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



60.1045, 0.2810, 0.2776



60.1045, 0.3663, 0.3293



60.1045, 0.3432, 0.3850



60.1045, 0.2617, 0.3250



# Rectangle

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



60.1045, 0.2810, 0.2776



60.1045, 0.3319, 0.2975



60.1045, 0.3432, 0.3850



60.1045, 0.2920, 0.3639

# Sweetspot

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



60.1070, 0.2810, 0.2776



88.0280, 0.3035, 0.3142



84.6019, 0.2849, 0.3306



18.5751, 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.



60.1070, 0.2810, 0.2776



59.2072, 0.2735, 0.2655



62.8637, 0.2965, 0.2788



15.9831, 0.2979, 0.3050



3.6375, 0.1504, 0.0613



0.3392, 0.1513, 0.0647



# Inverse Universe

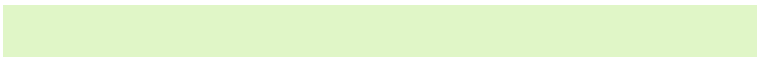
The Inverse Universe completely reimagines the original color for something new.



64.6101, 0.3496, 0.3281



64.9566, 0.3594, 0.3278



85.8827, 0.3266, 0.3790



16.4882, 0.3290, 0.3285



10.4666, 0.6378, 0.3287

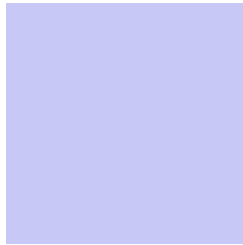


0.9219, 0.6322, 0.3256



# Previews

## White Background



This preview shows how the Yxy color 60.1045, 0.2810, 0.2776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

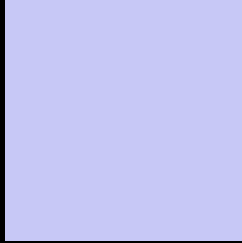
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1045, 0.2810, 0.2776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

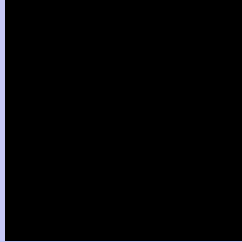
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.1045, 0.2810, 0.2776**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1045, 0.2810, 0.2776.



This preview shows how white text looks on a background with the Yxy color 60.1045, 0.2810, 0.2776.

# 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

60.1045, 0.2810, 0.2776

### Protanopia

60.2939, 0.2765, 0.2783

### Deuteranopia

60.0572, 0.2830, 0.2767



## Tritanopia

59.8755, 0.2937, 0.3091

# Trichromacy



## Original Color

60.1045, 0.2810, 0.2776

## Protanomaly

60.0908, 0.2777, 0.2773

## Deuteranomaly

59.9182, 0.2823, 0.2766

## Tritanomaly

60.1608, 0.2892, 0.2979

# Monochromacy



## Original Color

60.1045, 0.2810, 0.2776

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

60.5757, 0.3009, 0.3094

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1045, 0.2810, 0.2776 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(199, 200, 246)` looks like.

```
.text, #text, p{  
    color:rgb(199, 200, 246)  
}
```

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(199, 200, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 200, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1045, 0.2810, 0.2776 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(199, 200, 246) }
```

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

```
.border{ border-color:rgb(199, 200, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 200, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 200, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 200, 246); box-shadow:4px 4px 4px 4px rgb(199, 200, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1045, 0.2810, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 200, 246) }
```

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

```
.background{ background-color: rgb(199,  
200, 246) }
```

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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