

# Converting Colors

$Y_{xy}(60.2830, 0.2928, 0.2738)$

Have a look what the booklet for  
Yxy(60.2830, 0.2928, 0.2738)  
contains.

<b>Yxy(60.2830, 0.2928, 0.2738)</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(60.2830, 0.2928, 0.2738)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8C3F6
RGB	216, 195, 246
RGB Percent	85%, 76%, 96%
CMY	0.1530, 0.2353, 0.0353
CMYK	0.12, 0.21, 0.00, 0.04
HSL	265°, 74%, 86%
HSV	265°, 21%, 96%
XYZ	64.4663, 60.2830, 95.4224
YIQ	207.0930, -3.8550, 20.3130

# Conversions

## Conversions Part 2

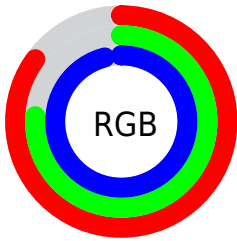
Format	Color
R <sub>Y</sub> B	216, 195, 246
Decimal	14205942
CIE <sub>Lab</sub>	81.99, 16.93, -22.44
CIE <sub>LCh</sub>	82, 28.111, 307.028
Yxy	60.2830, 0.2928, 0.2738
Android (android.graphics.Color)	4292396022 (0xFFD8C3F6)
YUV	207.0930, 19.1812, 7.8114
Hunter-Lab	77.6421, 12.3348, -18.5181

# Details

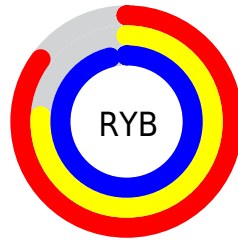
The Yxy color  $60.2830, 0.2928, 0.2738$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $85.8584, 0.3297, 0.3832$ , and the grayscale version is  $62.3369, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.1008, 0.3128, 0.3261$ , and  $30.3445, 0.2873, 0.2601$  is the 20% darker color. If you saturate the color by 10%, you get  $48.0462, 0.2809, 0.2440$ , and if you desaturate by 10%, it is  $74.5349, 0.3032, 0.3017$ .

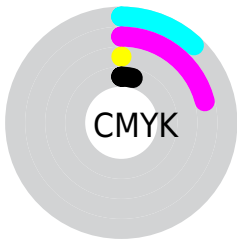
# Distribution



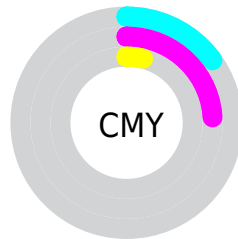
- Red (85%)
- Green (76%)
- Blue (96%)



- Red (85%)
- Yellow (76%)
- Blue (96%)



- Cyan (12%)
- Magenta (21%)
- Yellow (0%)
- Black (4%)




- Cyan (15%)
- Magenta (24%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2830, 0.2928, 0.2738 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 60.2830, 0.2928, 0.2738 by changing the saturation by 10% instead.




 60.2830, 0.2928,  
0.2738

 60.2830, 0.2928,  
0.2738


425.6401, 0.3026,  
0.2992

 43.6468, 0.2904,  
0.2681

 105.2401, 0.2963,  
0.2826

 30.3929, 0.2875,  
0.2610


134.3297, 0.2976,  
0.2860

 20.1370, 0.2836,  
0.2521


168.3393, 0.2988,  
0.2889

 12.4947, 0.2784,  
0.2406

207.6533, 0.2997,  
0.2915

 7.0815, 0.2710,  
0.2252

252.6559, 0.3006,  
0.2938

 3.5131, 0.2599,  
0.2036

303.7317, 0.3013,

 1.4051, 0.2416,

0.2958

0.1714

361.2649, 0.3020,  
0.2976

0.2205, 0.2131,  
0.0754

0.0000, 0.0000,  
0.0000

60.2830, 0.2928,  
0.2738

60.2830, 0.2928,  
0.2738

48.0462, 0.2809,  
0.2440

74.5349, 0.3032,  
0.3017

37.7231, 0.2676,  
0.2130

90.8820, 0.3121,  
0.3272

29.2147, 0.2531,  
0.1820

99.4336, 0.3179,  
0.3376

22.4100, 0.2379,  
0.1524

■ 17.1850, 0.2227,  
0.1259

■ 13.3984, 0.2081,  
0.1043

■ 10.8817, 0.1950,  
0.0886

■ 9.4348, 0.1846,  
0.0791

# Harmonies

## Analogous

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



60.2830, 0.2635, 0.2706



60.2830, 0.2928, 0.2738



60.2830, 0.3292, 0.2898

# Triad

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



60.2830, 0.2928, 0.2738



60.2830, 0.3819, 0.3721



60.2830, 0.2642, 0.3412

# Complementary

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



60.2830, 0.2928, 0.2738



85.8584, 0.3297, 0.3832

# 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.



60.2830, 0.2938, 0.3736



60.2830, 0.2928, 0.2738



60.2830, 0.3621, 0.3905

# Square

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



60.2830, 0.2928, 0.2738



60.2830, 0.3824, 0.3444



60.2830, 0.3296, 0.3920



60.2830, 0.2477, 0.3070



# Rectangle

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



60.2830, 0.2928, 0.2738



60.2830, 0.3525, 0.3058



60.2830, 0.3296, 0.3920



60.2830, 0.2728, 0.3528

# Sweetspot

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



60.2855, 0.2928, 0.2738



88.9561, 0.3076, 0.3140



72.4325, 0.2802, 0.3065



18.7938, 0.3070, 0.3124



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.



60.2855, 0.2928, 0.2738



59.4176, 0.2878, 0.2611



64.3700, 0.3113, 0.2768



16.2598, 0.3044, 0.3050



5.1136, 0.1863, 0.0800



0.5081, 0.2002, 0.0877



# Inverse Universe

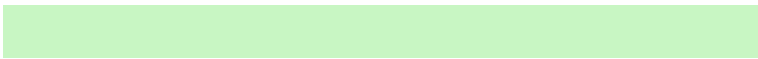
The Inverse Universe completely reimagines the original color for something new.



64.0626, 0.3307, 0.2979



64.2745, 0.3354, 0.2911



82.1435, 0.3133, 0.3861



16.6461, 0.3201, 0.3152



11.5735, 0.4589, 0.2302

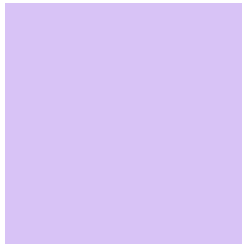


1.0376, 0.4368, 0.2180



# Previews

## White Background



This preview shows how the Yxy color 60.2830, 0.2928, 0.2738 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

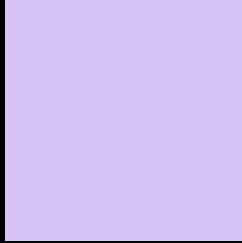
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2830, 0.2928, 0.2738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

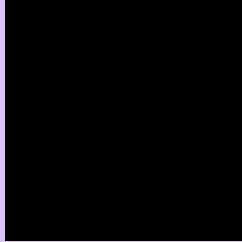
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.2830, 0.2928, 0.2738**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2830, 0.2928, 0.2738.

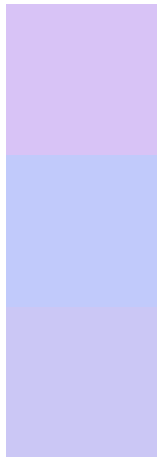


This preview shows how white text looks on a background with the Yxy color 60.2830, 0.2928, 0.2738.

# 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

60.2830, 0.2928, 0.2738

### Protanopia

60.5436, 0.2741, 0.2742

### Deuteranopia

60.1359, 0.2843, 0.2779



## Tritanopia

60.1153, 0.3097, 0.3108

# Trichromacy



## Original Color

60.2830, 0.2928, 0.2738

## Protanomaly

60.1039, 0.2804, 0.2736

## Deuteranomaly

60.3906, 0.2878, 0.2773

## Tritanomaly

60.0804, 0.3035, 0.2965

# Monochromacy



## Original Color

60.2830, 0.2928, 0.2738

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

61.6340, 0.3054, 0.3086

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2830, 0.2928, 0.2738 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(216, 195, 246)` looks like.

```
.text, #text, p{  
    color:rgb(216, 195, 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(216, 195, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 195, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2830, 0.2928, 0.2738 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(216, 195, 246) }
```

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

```
.border{ border-color:rgb(216, 195, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 195, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 195, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 195, 246); box-shadow:4px 4px 4px 4px rgb(216, 195, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2830, 0.2928, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 195, 246) }
```

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

```
.background{ background-color: rgb(216,  
195, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor