

# Converting Colors

$Y_{xy}(29.0274, 0.2821, 0.1776)$

Have a look what the booklet for  
Yxy(29.0274, 0.2821, 0.1776)  
contains.

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**Color**

**Yxy(29.1507, 0.2829, 0.1785)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD67F3
RGB	205, 103, 243
RGB Percent	80%, 40%, 95%
CMY	0.1961, 0.5960, 0.0472
CMYK	0.16, 0.58, 0.00, 0.05
HSL	284°, 85%, 68%
HSV	284°, 58%, 95%
XYZ	46.2002, 29.1507, 87.9584
YIQ	149.4580, 15.8520, 65.1640

# Conversions

## Conversions Part 2

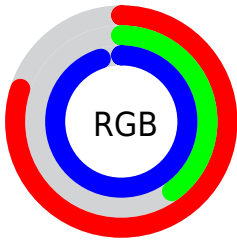
Format	Color
R <sub>Y</sub> B	205, 103, 243
Decimal	13461491
CIE Lab	60.91, 61.60, -53.66
CIE LCh	61, 81.695, 318.945
Yxy	29.1507, 0.2829, 0.1785
Android (android.graphics.Color)	4291651571 (0xFFCD67F3)
YUV	149.4580, 46.1162, 48.7103
Hunter-Lab	53.9914, 58.2567, -58.7965

# Details

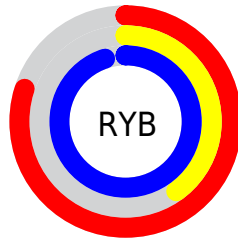
The Yxy color **29.1507, 0.2829, 0.1785** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **70.7216, 0.3241, 0.5041**, and the grayscale version is **30.0570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **11.7812, 0.2696, 0.1450** is the 20% darker color. If you saturate the color by 10%, you get **24.0820, 0.2757, 0.1568**, and if you desaturate by 10%, it is **35.6651, 0.2897, 0.2033**.

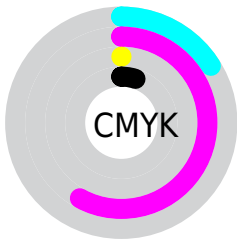
# Distribution



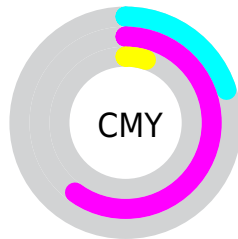
- Red (80%)
- Green (40%)
- Blue (95%)



- Red (80%)
- Yellow (40%)
- Blue (95%)



- Cyan (16%)
- Magenta (58%)
- Yellow (0%)
- Black (5%)




- Cyan (20%)
- Magenta (60%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1507, 0.2829, 0.1785 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 29.1507, 0.2829, 0.1785 by changing the saturation by 10% instead.





 29.1507, 0.2829,  
0.1785


 29.1507, 0.2829,  
0.1785


297.9253, 0.3014,  
0.2479


 19.1949, 0.2775,  
0.1633


 58.3164, 0.2903,  
0.2022


 11.8112, 0.2701,  
0.1451


 78.2951, 0.2929,  
0.2115

 6.6152, 0.2599,  
0.1231


 102.3835, 0.2950,  
0.2196

 3.2227, 0.2450,  
0.0966

 130.9660, 0.2968,  
0.2267

 1.2491, 0.2225,  
0.0652

164.4271, 0.2982,  
0.2329

 0.1012, 0.1911,  
0.0105

203.1511, 0.2995,


 0.0000, 0.1249,


0.2385


0.0000


247.5224, 0.3005,  
0.2434


 0.0000, 0.0000,  
0.0000


 29.1507, 0.2829,  
0.1785

 29.1507, 0.2829,  
0.1785


 24.0820, 0.2757,  
0.1568


 35.6651, 0.2897,  
0.2033


 20.3296, 0.2682,  
0.1391

 43.7325, 0.2959,  
0.2298


 17.7465, 0.2608,  
0.1261

 53.4540, 0.3014,  
0.2571

 16.1359, 0.2537,  
0.1178


 64.9212, 0.3061,  
0.2841

 15.8225, 0.2520,  
0.1162

 78.2186, 0.3101,  
0.3102

 93.4254, 0.3135,  
0.3347

 98.5240, 0.3173,  
0.3406

 99.2490, 0.3197,  
0.3406

# Harmonies

## Analogous

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



29.1507, 0.1838, 0.1535



29.1507, 0.2829, 0.1785



29.1507, 0.4192, 0.2303

# Triad

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



29.1507, 0.2829, 0.1785



29.1507, 0.5056, 0.4632



29.1507, 0.1295, 0.3021

# Complementary

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



29.1507, 0.2829, 0.1785



70.7216, 0.3241, 0.5041

# 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.



29.1507, 0.1917, 0.4628



29.1507, 0.2829, 0.1785



29.1507, 0.4068, 0.5497

# Square

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



29.1507, 0.2829, 0.1785



29.1507, 0.5609, 0.3762



29.1507, 0.2943, 0.5738



29.1507, 0.1124, 0.2008



# Rectangle

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



29.1507, 0.2829, 0.1785



29.1507, 0.5031, 0.2753



29.1507, 0.2943, 0.5738



29.1507, 0.1447, 0.3516

# Sweetspot

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



29.1519, 0.2829, 0.1785



73.2296, 0.3064, 0.2856



28.8991, 0.2115, 0.1938



15.0830, 0.3055, 0.2803



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.



29.1519, 0.2829, 0.1785



26.1232, 0.2745, 0.1537



33.5384, 0.3499, 0.2183



16.5291, 0.3094, 0.3054



8.7566, 0.2531, 0.1168



0.8201, 0.2619, 0.1217



# Inverse Universe

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



30.6749, 0.4400, 0.2895



28.3858, 0.4824, 0.2861



68.6683, 0.2911, 0.4771



16.5564, 0.3251, 0.3226



10.6925, 0.5863, 0.3003



0.9563, 0.5510, 0.2809



# Previews

## White Background



This preview shows how the Yxy color 29.1507, 0.2829, 0.1785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

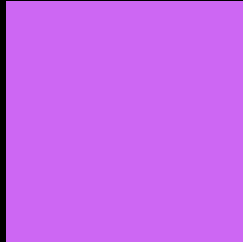
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.1507, 0.2829, 0.1785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

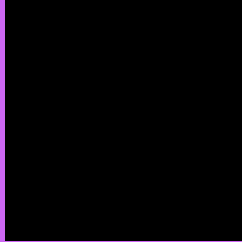
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.1507, 0.2829, 0.1785**

## Background



This preview shows how black text looks on a background with the Yxy color 29.1507, 0.2829, 0.1785.



This preview shows how white text looks on a background with the Yxy color 29.1507, 0.2829, 0.1785.

# 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

29.1507, 0.2829, 0.1785

### Protanopia

29.7079, 0.2043, 0.1842

### Deuteranopia

29.4070, 0.2131, 0.2065



## Tritanopia

29.1028, 0.3702, 0.3154

# Trichromacy



## Original Color

29.1507, 0.2829, 0.1785



## Protanomaly

27.8998, 0.2240, 0.1765



## Deuteranomaly

27.6399, 0.2312, 0.1896



## Tritanomaly

28.4912, 0.3352, 0.2555

# Monochromacy



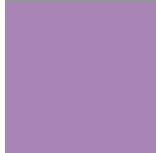
## Original Color

29.1507, 0.2829, 0.1785



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

28.3564, 0.3013, 0.2577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.1507, 0.2829, 0.1785 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(205, 103, 243)` looks like.

```
.text, #text, p{  
    color:rgb(205, 103, 243)  
}
```

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(205, 103, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 103, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 29.1507, 0.2829, 0.1785 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(205, 103, 243) }
```

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

```
.border{ border-color:rgb(205, 103, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 103, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 103, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 103, 243);  
box-shadow:4px 4px 4px 4px rgb(205, 103,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.1507, 0.2829, 0.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 103, 243) }
```

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

```
.background{ background-color: rgb(205,  
103, 243) }
```

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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