

# Converting Colors

Yxy(30.4537, 0.3037, 0.2150)

Have a look what the booklet for  
Yxy(30.4537, 0.3037, 0.2150)  
contains.

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# Color

**Yxy(30.2807, 0.3038, 0.2148)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C976D7
RGB	201, 118, 215
RGB Percent	79%, 46%, 84%
CMY	0.2118, 0.5372, 0.1569
CMYK	0.07, 0.45, 0.00, 0.16
HSL	291°, 55%, 65%
HSV	291°, 45%, 84%
XYZ	42.8272, 30.2807, 67.8637
YIQ	153.8750, 18.3310, 47.7630

# Conversions

## Conversions Part 2

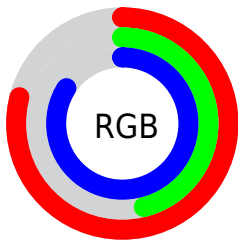
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 118, 215
Decimal	13203159
CIE <sub>Lab</sub>	61.90, 47.56, -36.54
CIE <sub>LCh</sub>	62, 59.978, 322.470
Yxy	30.2807, 0.3038, 0.2148
Android (android.graphics.Color)	4291393239 (0xFFC976D7)
YUV	153.8750, 30.1346, 41.3286
Hunter-Lab	55.0279, 42.6243, -34.6005

# Details

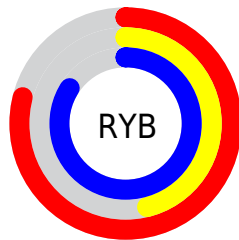
The Yxy color **30.2807, 0.3038, 0.2148** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.8052, 0.3152, 0.4658**, and the grayscale version is **32.1181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **12.4542, 0.2979, 0.1858** is the 20% darker color. If you saturate the color by 10%, you get **25.3564, 0.3007, 0.1918**, and if you desaturate by 10%, it is **36.3700, 0.3065, 0.2397**.

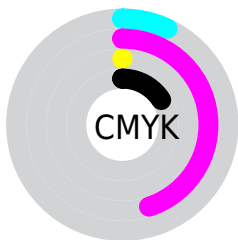
# Distribution



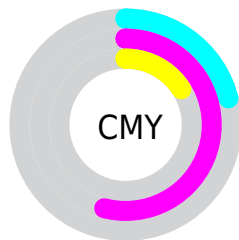
- Red (79%)
- Green (46%)
- Blue (84%)



- Red (79%)
- Yellow (46%)
- Blue (84%)



- Cyan (7%)
- Magenta (45%)
- Yellow (0%)
- Black (16%)




- Cyan (21%)
- Magenta (54%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2807, 0.3038, 0.2148 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 30.2807, 0.3038, 0.2148 by changing the saturation by 10% instead.




 30.2807, 0.3038,  
0.2148


 30.2807, 0.3038,  
0.2148


303.2107, 0.3104,  
0.2698


 20.0517, 0.3015,  
0.2019


 60.1058, 0.3067,  
0.2342

 12.4327, 0.2982,  
0.1859


 80.4707, 0.3077,  
0.2417

 7.0391, 0.2932,  
0.1656


 104.9831, 0.3084,  
0.2481

 3.4865, 0.2852,  
0.1394

134.0274, 0.3090,  
0.2536

 1.3907, 0.2715,  
0.1051

167.9879, 0.3095,  
0.2584

 0.2099, 0.2520,  
0.0359

207.2490, 0.3099,

 0.0000, 0.1523,

0.2627

0.0000

252.1951, 0.3102,  
0.2665

0.0000, 0.0000,  
0.0000

30.2807, 0.3038,  
0.2148

30.2807, 0.3038,  
0.2148

25.3564, 0.3007,  
0.1918

36.3700, 0.3065,  
0.2397

21.5138, 0.2973,  
0.1718

43.6925, 0.3088,  
0.2656

18.6647, 0.2937,  
0.1557


52.3154, 0.3106,  
0.2914

16.7052, 0.2900,  
0.1439

62.3004, 0.3121,  
0.3166

15.5081, 0.2862,  
0.1366

73.7047, 0.3132,  
0.3406

 15.0910, 0.2843,  
0.1340

 86.5826, 0.3141,  
0.3630

 92.0660, 0.3155,  
0.3707

 92.5624, 0.3175,  
0.3705

 93.0678, 0.3195,  
0.3702

# Harmonies

## Analogous

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



30.2807, 0.2216, 0.1913



30.2807, 0.3038, 0.2148



30.2807, 0.4035, 0.2603

# Triad

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



30.2807, 0.3038, 0.2148



30.2807, 0.4616, 0.4531



30.2807, 0.1676, 0.3030

# Complementary

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



30.2807, 0.3038, 0.2148



54.8052, 0.3152, 0.4658

# 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.



30.2807, 0.2172, 0.4101



30.2807, 0.3038, 0.2148



30.2807, 0.3864, 0.5027

# Square

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



30.2807, 0.3038, 0.2148



30.2807, 0.5005, 0.3862



30.2807, 0.2974, 0.4948



30.2807, 0.1537, 0.2285



# Rectangle

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



30.2807, 0.3038, 0.2148



30.2807, 0.4606, 0.2991



30.2807, 0.2974, 0.4948



30.2807, 0.1801, 0.3367

# Sweetspot

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



30.2820, 0.3038, 0.2148



78.3359, 0.3108, 0.2939



25.4129, 0.2316, 0.2097



16.1303, 0.3104, 0.2883



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.



30.2820, 0.3038, 0.2148



37.6973, 0.3009, 0.1931



30.7426, 0.3541, 0.2541



12.5377, 0.3115, 0.3059



9.0639, 0.2849, 0.1343



0.5721, 0.2915, 0.1380



# Inverse Universe

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



29.0708, 0.4151, 0.3121



35.8636, 0.4500, 0.3094



54.7089, 0.2870, 0.4195



12.4497, 0.3269, 0.3257



8.7098, 0.6196, 0.3187



0.5349, 0.5782, 0.2959



# Previews

## White Background



This preview shows how the Yxy color 30.2807, 0.3038, 0.2148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

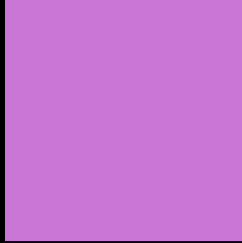
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.2807, 0.3038, 0.2148 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

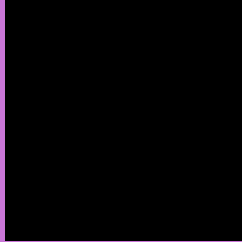
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.2807, 0.3038, 0.2148**

## Background



This preview shows how black text looks on a background with the Yxy color 30.2807, 0.3038, 0.2148.



This preview shows how white text looks on a background with the Yxy color 30.2807, 0.3038, 0.2148.

# 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

30.2807, 0.3038, 0.2148

### Protanopia

30.7443, 0.2210, 0.2054

### Deuteranopia

30.4504, 0.2469, 0.2414



## Tritanopia

30.1402, 0.3668, 0.3155

# Trichromacy



## Original Color

30.2807, 0.3038, 0.2148



## Protanomaly

29.4325, 0.2442, 0.2057



## Deuteranomaly

29.5630, 0.2646, 0.2286



## Tritanomaly

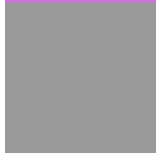
29.9427, 0.3430, 0.2741

# Monochromacy



## Original Color

30.2807, 0.3038, 0.2148



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

30.8423, 0.3099, 0.2798

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.2807, 0.3038, 0.2148 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(201, 118, 215)` looks like.

```
.text, #text, p{  
    color:rgb(201, 118, 215)  
}
```

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(201, 118, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 118, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 30.2807, 0.3038, 0.2148 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(201, 118, 215) }
```

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

```
.border{ border-color:rgb(201, 118, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 118, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 118, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 118, 215);  
box-shadow:4px 4px 4px 4px rgb(201, 118,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.2807, 0.3038, 0.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 118, 215) }
```

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

```
.background{ background-color: rgb(201,  
118, 215) }
```

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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