

# Converting Colors

$Y_{xy}(29.0331, 0.3229, 0.2057)$

Have a look what the booklet for  
Yxy(29.0331, 0.3229, 0.2057)  
contains.

<b>Yxy(29.0678, 0.3228, 0.2053)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(29.0678, 0.3228, 0.2053)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA65D6
RGB	218, 101, 214
RGB Percent	85%, 40%, 84%
CMY	0.1451, 0.6039, 0.1608
CMYK	0.00, 0.54, 0.02, 0.15
HSL	302°, 61%, 63%
HSV	302°, 54%, 85%
XYZ	45.7043, 29.0678, 66.8149
YIQ	148.8650, 33.4590, 59.9470

# Conversions

## Conversions Part 2

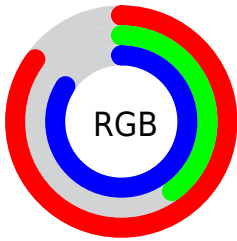
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 101, 214
Decimal	14312918
CIE Lab	60.84, 60.51, -37.47
CIE LCh	61, 71.170, 328.232
Yxy	29.0678, 0.3228, 0.2053
Android (android.graphics.Color)	4292502998 (0xFFDA65D6)
YUV	148.8650, 32.1116, 60.6314
Hunter-Lab	53.9146, 56.9669, -35.7363

# Details

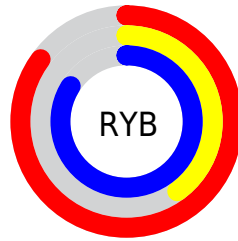
The Yxy color **29.0678, 0.3228, 0.2053** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **53.9317, 0.3028, 0.4950**, and the grayscale version is **29.8485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **11.7045, 0.3215, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **25.3442, 0.3247, 0.1880**, and if you desaturate by 10%, it is **33.9168, 0.3209, 0.2257**.

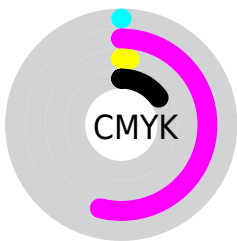
# Distribution



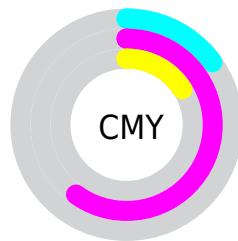
- Red (85%)
- Green (40%)
- Blue (84%)



- Red (85%)
- Yellow (40%)
- Blue (84%)



- Cyan (0%)
- Magenta (54%)
- Yellow (2%)
- Black (15%)




- Cyan (15%)
- Magenta (60%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0678, 0.3228, 0.2053 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 29.0678, 0.3228, 0.2053 by changing the saturation by 10% instead.





 29.0678, 0.3228,  
0.2053


 29.0678, 0.3228,  
0.2053


297.5347, 0.3201,  
0.2643


 19.1321, 0.3227,  
0.1917


 58.1848, 0.3224,  
0.2260


 11.7658, 0.3222,  
0.1749


 78.1349, 0.3221,  
0.2340

 6.5844, 0.3209,  
0.1538


 102.1919, 0.3217,  
0.2408

 3.2036, 0.3177,  
0.1269

 130.7402, 0.3214,  
0.2468

 1.2389, 0.3106,  
0.0925

164.1643, 0.3210,  
0.2520

 0.0932, 0.3044,  
0.0158


202.8485, 0.3207,

 0.0000, 0.2398,

0.2566


0.0000


247.1772, 0.3204,  
0.2607


 0.0000, 0.0000,  
0.0000


 29.0678, 0.3228,  
0.2053


 29.0678, 0.3228,  
0.2053


 25.3442, 0.3247,  
0.1880


 33.9168, 0.3209,  
0.2257


 22.6511, 0.3263,  
0.1746


 39.9681, 0.3189,  
0.2484


 20.8848, 0.3278,  
0.1654

 47.2966, 0.3169,  
0.2723

 19.9181, 0.3291,  
0.1605

 55.9698, 0.3151,  
0.2966

 19.5855, 0.3298,  
0.1590

 66.0506, 0.3133,  
0.3204

■ 77.5980, 0.3117,  
0.3434

■ 90.6674, 0.3103,  
0.3651

■ 91.5916, 0.3098,  
0.3657

■ 91.6313, 0.3094,  
0.3649

# Harmonies

## Analogous

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



29.0678, 0.2209, 0.1738



29.0678, 0.3228, 0.2053



29.0678, 0.4428, 0.2599

# Triad

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



29.0678, 0.3228, 0.2053



29.0678, 0.4666, 0.4813



29.0678, 0.1386, 0.2737

# Complementary

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



29.0678, 0.3228, 0.2053



53.9317, 0.3028, 0.4950

# 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.



29.0678, 0.1844, 0.4007



29.0678, 0.3228, 0.2053



29.0678, 0.3728, 0.5411

# Square

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



29.0678, 0.3228, 0.2053



29.0678, 0.5274, 0.4023



29.0678, 0.2702, 0.5207



29.0678, 0.1318, 0.1989



# Rectangle

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



29.0678, 0.3228, 0.2053



29.0678, 0.5049, 0.3043



29.0678, 0.2702, 0.5207



29.0678, 0.1491, 0.3111

# Sweetspot

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



29.0691, 0.3228, 0.2053



76.5847, 0.3155, 0.2906



17.3683, 0.2122, 0.1594



15.8295, 0.3159, 0.2855



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.



29.0691, 0.3228, 0.2053



35.7446, 0.3248, 0.1866



26.6014, 0.3935, 0.2648



13.2667, 0.3143, 0.3067



11.7368, 0.3296, 0.1589



0.7628, 0.3281, 0.1581



# Inverse Universe

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



29.0691, 0.3228, 0.2053



35.7446, 0.3248, 0.1866



55.5703, 0.2722, 0.4078



13.2667, 0.3143, 0.3067



11.7368, 0.3296, 0.1589

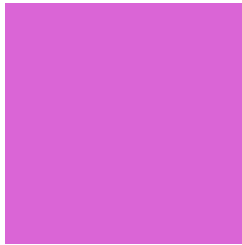


0.7628, 0.3281, 0.1581



# Previews

## White Background



This preview shows how the Yxy color 29.0678, 0.3228, 0.2053 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

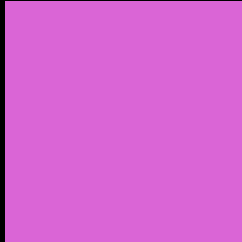
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.0678, 0.3228, 0.2053 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

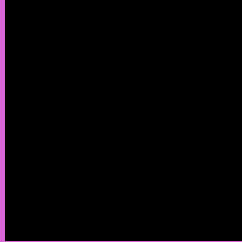
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.0678, 0.3228, 0.2053**

## Background



This preview shows how black text looks on a background with the Yxy color 29.0678, 0.3228, 0.2053.



This preview shows how white text looks on a background with the Yxy color 29.0678, 0.3228, 0.2053.

# 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

29.0678, 0.3228, 0.2053

### Protanopia

29.6783, 0.2077, 0.1882

### Deuteranopia

29.5260, 0.2469, 0.2416



## Tritanopia

28.9677, 0.4067, 0.3178

# Trichromacy



## Original Color

29.0678, 0.3228, 0.2053



## Protanomaly

27.5407, 0.2364, 0.1879



## Deuteranomaly

28.0423, 0.2698, 0.2226



## Tritanomaly

28.6049, 0.3759, 0.2715

# Monochromacy



## Original Color

29.0678, 0.3228, 0.2053



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

28.5183, 0.3165, 0.2715

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.0678, 0.3228, 0.2053 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(218, 101, 214)` looks like.

```
.text, #text, p{  
    color:rgb(218, 101, 214)  
}
```

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(218, 101, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 101, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 29.0678, 0.3228, 0.2053 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(218, 101, 214) }
```

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

```
.border{ border-color:rgb(218, 101, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 101, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 101, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 101, 214);  
box-shadow:4px 4px 4px 4px rgb(218, 101,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.0678, 0.3228, 0.2053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 101, 214) }
```

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

```
.background{ background-color: rgb(218,  
101, 214) }
```

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