

# Converting Colors

$Y_{xy}(29.1430, 0.3021, 0.2358)$

Have a look what the booklet for  
Yxy(29.1430, 0.3021, 0.2358)  
contains.

<b>Yxy(29.1893, 0.3025, 0.2360)</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(29.1893, 0.3025, 0.2360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B87EC6</a>
RGB	<a href="#">184, 126, 198</a>
RGB Percent	<a href="#">72%, 49%, 78%</a>
CMY	<a href="#">0.2785, 0.5058, 0.2236</a>
CMYK	<a href="#">0.07, 0.36, 0.00, 0.22</a>
HSL	<a href="#">288°, 39%, 64%</a>
HSV	<a href="#">288°, 36%, 78%</a>
XYZ	<a href="#">37.4143, 29.1893, 57.0799</a>
YIQ	<a href="#">151.5500, 11.4560, 34.6880</a>

# Conversions

## Conversions Part 2

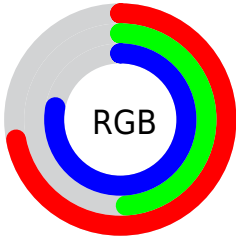
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 126, 198
Decimal	12091078
CIELab	60.95, 34.77, -28.59
CIELCh	61, 45.015, 320.563
Yxy	29.1893, 0.3025, 0.2360
Android (android.graphics.Color)	4290281158 (0xFFB87EC6)
YUV	151.5500, 22.8999, 28.4587
Hunter-Lab	54.0271, 29.0653, -24.8212

# Details

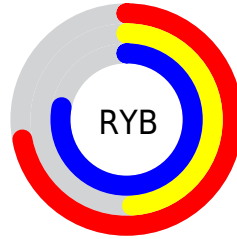
The Yxy color  $29.1893, 0.3025, 0.2360$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $47.4679, 0.3181, 0.4342$ , and the grayscale version is  $31.0922, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $58.5633, 0.3053, 0.2531$ , and  $11.7916, 0.2975, 0.2093$  is the 20% darker color. If you saturate the color by 10%, you get  $24.1477, 0.2985, 0.2106$ , and if you desaturate by 10%, it is  $35.2484, 0.3060, 0.2622$ .

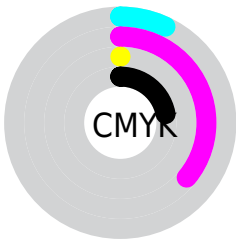
# Distribution



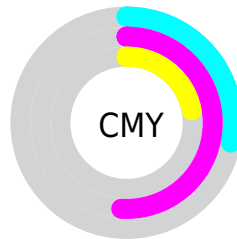
- Red (72%)
- Green (49%)
- Blue (78%)



- Red (72%)
- Yellow (49%)
- Blue (78%)



- Cyan (7%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)




- Cyan (28%)
- Magenta (51%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1893, 0.3025, 0.2360 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 29.1893, 0.3025, 0.2360 by changing the saturation by 10% instead.




 29.1893, 0.3025,  
0.2360


 29.1893, 0.3025,  
0.2360


298.1071, 0.3092,  
0.2824

 19.2241, 0.3003,  
0.2246


 58.3777, 0.3053,  
0.2527

 11.8323, 0.2972,  
0.2102


 78.3697, 0.3062,  
0.2591

 6.6296, 0.2925,  
0.1913


 102.4727, 0.3070,  
0.2644

 3.2315, 0.2850,  
0.1658

131.0711, 0.3076,  
0.2690

 1.2538, 0.2716,  
0.1303

164.5494, 0.3081,  
0.2730

 0.1050, 0.2584,  
0.0285

203.2919, 0.3085,

 0.0000, 0.0000,

0.2765

0.0000

247.6830, 0.3089,  
0.2796

■ 29.1893, 0.3025,  
0.2360

■ 29.1893, 0.3025,  
0.2360

■ 24.1477, 0.2985,  
0.2106

■ 35.2484, 0.3060,  
0.2622

■ 20.0604, 0.2940,  
0.1871

■ 42.3758, 0.3090,  
0.2883

■ 16.8627, 0.2891,  
0.1665


■ 50.6236, 0.3114,  
0.3136

■ 14.4807, 0.2840,  
0.1497


■ 60.0391, 0.3134,  
0.3376

■ 12.8278, 0.2788,  
0.1374

■ 70.6671, 0.3149,  
0.3600

 11.7933, 0.2737,  
0.1294

 82.5497, 0.3161,  
0.3807

 11.4911, 0.2718,  
0.1271

 89.4401, 0.3178,  
0.3904

 90.0164, 0.3202,  
0.3900

 90.6065, 0.3227,  
0.3895

# Harmonies

## Analogous

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



29.1893, 0.2384, 0.2181



29.1893, 0.3025, 0.2360



29.1893, 0.3779, 0.2727

# Triad

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



29.1893, 0.3025, 0.2360



29.1893, 0.4347, 0.4281



29.1893, 0.2002, 0.3166

# Complementary

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



29.1893, 0.3025, 0.2360



47.4679, 0.3181, 0.4342

# 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.



29.1893, 0.2436, 0.3945



29.1893, 0.3025, 0.2360



29.1893, 0.3789, 0.4615

# Square

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



29.1893, 0.3025, 0.2360



29.1893, 0.4587, 0.3766



29.1893, 0.3089, 0.4530



29.1893, 0.1853, 0.2555



# Rectangle

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



29.1893, 0.3025, 0.2360



29.1893, 0.4217, 0.3047



29.1893, 0.3089, 0.4530



29.1893, 0.2116, 0.3421

# Sweetspot

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



29.1906, 0.3025, 0.2360



82.3693, 0.3103, 0.3015



27.3915, 0.2502, 0.2427



17.2033, 0.3100, 0.2980



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.



29.1906, 0.3025, 0.2360



44.1533, 0.2992, 0.2148



30.0816, 0.3395, 0.2644



10.7082, 0.3107, 0.3060



7.5099, 0.2725, 0.1275



0.3831, 0.2832, 0.1334



# Inverse Universe

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



28.8258, 0.3823, 0.3105



43.5489, 0.4066, 0.3064



46.9453, 0.2936, 0.4041



10.6701, 0.3259, 0.3245



7.9108, 0.6069, 0.3117



0.3849, 0.5495, 0.2801



# Previews

## White Background



This preview shows how the Yxy color 29.1893, 0.3025, 0.2360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

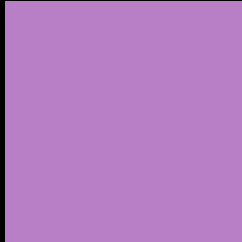
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.1893, 0.3025, 0.2360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

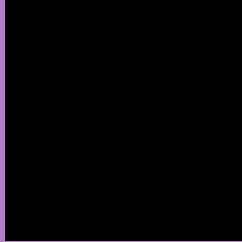
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.1893, 0.3025, 0.2360**

## Background



This preview shows how black text looks on a background with the Yxy color 29.1893, 0.3025, 0.2360.

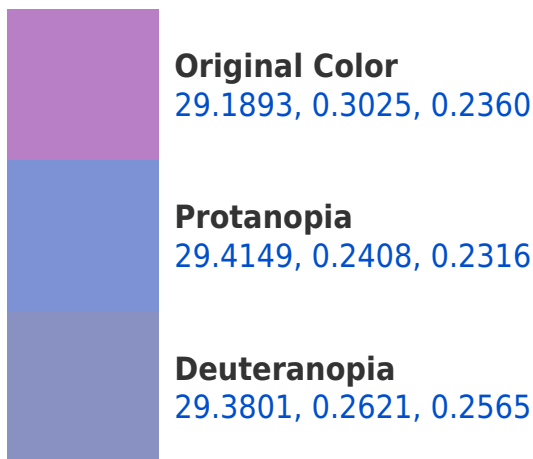


This preview shows how white text looks on a background with the Yxy color 29.1893, 0.3025, 0.2360.

# 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





## Tritanopia

29.3450, 0.3468, 0.3147

# Trichromacy



**Original Color**

29.1893, 0.3025, 0.2360

**Protanomaly**

28.8420, 0.2592, 0.2313

**Deuteranomaly**

28.8894, 0.2754, 0.2480

**Tritanomaly**

29.2315, 0.3302, 0.2831

# Monochromacy



**Original Color**

29.1893, 0.3025, 0.2360

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

30.4020, 0.3093, 0.2912

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.1893, 0.3025, 0.2360 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(184, 126, 198)` looks like.

```
.text, #text, p{  
    color:rgb(184, 126, 198)  
}
```

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(184, 126, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 126, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 29.1893, 0.3025, 0.2360 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(184, 126, 198) }
```

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

```
.border{ border-color:rgb(184, 126, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 126, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 126, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 126, 198);  
box-shadow:4px 4px 4px 4px rgb(184, 126,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.1893, 0.3025, 0.2360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 126, 198) }
```

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

```
.background{ background-color: rgb(184,  
126, 198) }
```

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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