

# Converting Colors

$Y_{xy}(30.2886, 0.2919, 0.2583)$

Have a look what the booklet for  
Yxy(30.2886, 0.2919, 0.2583)  
contains.

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# Color

**Yxy(30.2899, 0.2920, 0.2582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A68BBE
RGB	166, 139, 190
RGB Percent	65%, 55%, 75%
CMY	0.3490, 0.4549, 0.2548
CMYK	0.13, 0.27, 0.00, 0.25
HSL	272°, 28%, 65%
HSV	272°, 27%, 75%
XYZ	34.2550, 30.2899, 52.7668
YIQ	152.8870, -0.2790, 21.5850

# Conversions

## Conversions Part 2

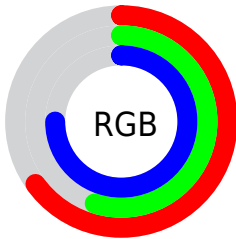
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 139, 190
Decimal	10914750
CIE <sub>Lab</sub>	61.90, 20.03, -22.78
CIE <sub>LCh</sub>	62, 30.333, 311.326
Yxy	30.2899, 0.2920, 0.2582
Android (android.graphics.Color)	4289104830 (0xFFA68BBE)
YUV	152.8870, 18.2967, 11.5001
Hunter-Lab	55.0363, 14.7865, -18.3198

# Details

The Yxy color **30.2899, 0.2920, 0.2582** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.4871, 0.3290, 0.4006**, and the grayscale version is **31.7237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3233, 0.2972, 0.2723**, and **12.4330, 0.2842, 0.2383** is the 20% darker color. If you saturate the color by 10%, you get **24.3252, 0.2821, 0.2293**, and if you desaturate by 10%, it is **37.2807, 0.3007, 0.2861**.

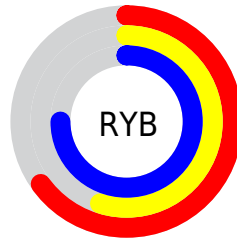
# Distribution



Red (65%)

Green (55%)

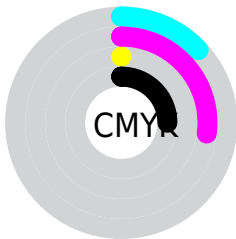
Blue (75%)



Red (65%)

Yellow (55%)

Blue (75%)

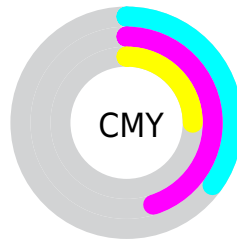


Cyan (13%)

Magenta (27%)

Yellow (0%)

Black (25%)



Cyan (35%)

Magenta (45%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2899, 0.2920, 0.2582 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 30.2899, 0.2920, 0.2582 by changing the saturation by 10% instead.





 30.2899, 0.2920,  
0.2582


 30.2899, 0.2920,  
0.2582


303.2534, 0.3036,  
0.2943

 20.0587, 0.2887,  
0.2490


 60.1203, 0.2965,  
0.2714

 12.4377, 0.2842,  
0.2372


 80.4884, 0.2981,  
0.2764

 7.0425, 0.2779,  
0.2214


 105.0042, 0.2994,  
0.2805

 3.4887, 0.2681,  
0.1994

134.0522, 0.3005,  
0.2841

 1.3919, 0.2518,  
0.1669

168.0167, 0.3015,  
0.2871

 0.2107, 0.2296,  
0.0702

207.2821, 0.3023,

 0.0000, 0.0000,

0.2898

0.0000

252.2329, 0.3030,  
0.2922

■ 30.2899, 0.2920,  
0.2582

■ 30.2899, 0.2920,  
0.2582

■ 24.3252, 0.2821,  
0.2293

■ 37.2807, 0.3007,  
0.2861

■ 19.3320, 0.2711,  
0.2001

■ 45.3411, 0.3082,  
0.3122

■ 15.2562, 0.2592,  
0.1720


■ 54.5166, 0.3146,  
0.3364


■ 12.0368, 0.2467,  
0.1462


■ 64.8487, 0.3200,  
0.3584

■ 9.6050, 0.2343,  
0.1242


■ 76.3772, 0.3245,  
0.3783

 7.8807, 0.2223,  
0.1070


 89.1395, 0.3281,  
0.3961

 6.7559, 0.2113,  
0.0952

 91.8325, 0.3337,  
0.3968

 6.4613, 0.2080,  
0.0919

 93.3385, 0.3397,  
0.3955

 94.9214, 0.3456,  
0.3942

# Harmonies

## Analogous

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



30.2899, 0.2514, 0.2509



30.2899, 0.2920, 0.2582



30.2899, 0.3417, 0.2810

# Triad

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



30.2899, 0.2920, 0.2582



30.2899, 0.4038, 0.3900



30.2899, 0.2431, 0.3379

# Complementary

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



30.2899, 0.2920, 0.2582



46.4871, 0.3290, 0.4006

# 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.



30.2899, 0.2799, 0.3852



30.2899, 0.2920, 0.2582



30.2899, 0.3730, 0.4141

# Square

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



30.2899, 0.2920, 0.2582



30.2899, 0.4092, 0.3536



30.2899, 0.3274, 0.4143



30.2899, 0.2250, 0.2922



# Rectangle

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



30.2899, 0.2920, 0.2582



30.2899, 0.3729, 0.3027



30.2899, 0.3274, 0.4143



30.2899, 0.2536, 0.3544

# Sweetspot

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



30.2912, 0.2920, 0.2582



80.1666, 0.3073, 0.3090



35.6364, 0.2703, 0.2905



17.0952, 0.3062, 0.3051



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.2912, 0.2920, 0.2582



48.5312, 0.2865, 0.2419



33.0961, 0.3166, 0.2641



9.4672, 0.3065, 0.3059



4.3426, 0.2093, 0.0927



0.2087, 0.2351, 0.1069



# Inverse Universe

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



32.0594, 0.3433, 0.2968



52.3459, 0.3519, 0.2896



44.2131, 0.3085, 0.4037



9.6091, 0.3217, 0.3182



7.7792, 0.5057, 0.2560

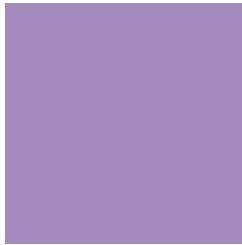


0.3179, 0.4502, 0.2254



# Previews

## White Background



This preview shows how the Yxy color 30.2899, 0.2920, 0.2582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

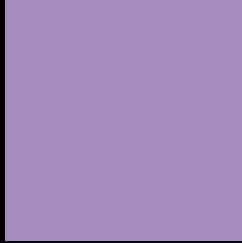
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.2899, 0.2920, 0.2582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

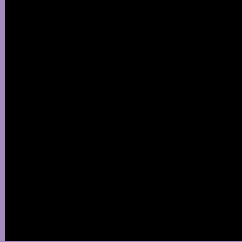
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.2899, 0.2920, 0.2582**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.2899, 0.2920, 0.2582.



This preview shows how white text looks on a background with the Yxy color 30.2899, 0.2920, 0.2582.

# 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

30.2899, 0.2920, 0.2582

### Protanopia

30.5294, 0.2613, 0.2574

### Deuteranopia

30.4276, 0.2738, 0.2687



## Tritanopia

30.2622, 0.3177, 0.3111

# Trichromacy



## Original Color

30.2899, 0.2920, 0.2582

## Protanomaly

30.4417, 0.2724, 0.2585

## Deuteranomaly

30.2960, 0.2799, 0.2641

## Tritanomaly

30.2960, 0.3083, 0.2911

# Monochromacy



## Original Color

30.2899, 0.2920, 0.2582

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

31.2021, 0.3059, 0.3023

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.2899, 0.2920, 0.2582 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(166, 139, 190)` looks like.

```
.text, #text, p{  
    color:rgb(166, 139, 190)  
}
```

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(166, 139, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 139, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 30.2899, 0.2920, 0.2582 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(166, 139, 190) }
```

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

```
.border{ border-color:rgb(166, 139, 190) }
```

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

Here you see how a box with a 4 pixel rgb(166, 139, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 139, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 139, 190);  
box-shadow:4px 4px 4px 4px rgb(166, 139,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.2899, 0.2920, 0.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 139, 190) }
```

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

```
.background{ background-color: rgb(166,  
139, 190) }
```

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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