

Converting Colors

$Y_{xy}(31.0740, 0.2804, 0.2398)$

Have a look what the booklet for
Yxy(31.0740, 0.2804, 0.2398)
contains.

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Color

Yxy(31.2463, 0.2804, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	A88BCE
RGB	168, 139, 206
RGB Percent	66%, 55%, 81%
CMY	0.3411, 0.4549, 0.1923
CMYK	0.18, 0.33, 0.00, 0.19
HSL	266°, 41%, 68%
HSV	266°, 33%, 81%
XYZ	36.5213, 31.2463, 62.4796
YIQ	155.3090, -4.2230, 26.9850

Conversions

Conversions Part 2

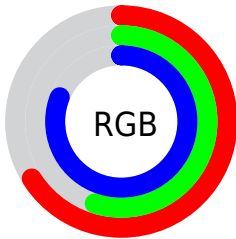
Format	Color
RYB	168, 139, 206
Decimal	11045838
CIELab	62.72, 24.21, -30.48
CIElCh	63, 38.928, 308.462
Yxy	31.2463, 0.2804, 0.2399
Android (android.graphics.Color)	4289235918 (0xFFA88BCE)
YUV	155.3090, 24.9907, 11.1300
Hunter-Lab	55.8984, 18.8011, -27.1416

Details

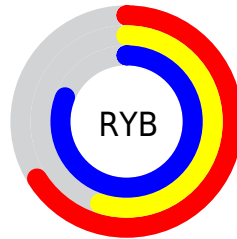
The Yxy color **31.2463, 0.2804, 0.2399** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.3344, 0.3374, 0.4163**, and the grayscale version is **32.8121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2072, 0.2926, 0.2639**, and **13.0240, 0.2696, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **24.6098, 0.2675, 0.2094**, and if you desaturate by 10%, it is **39.1240, 0.2919, 0.2694**.

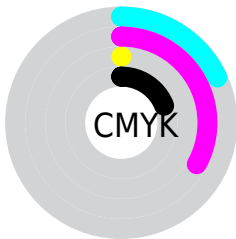
Distribution



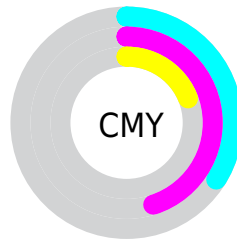
- Red (66%)
- Green (55%)
- Blue (81%)



- Red (66%)
- Yellow (55%)
- Blue (81%)



- Cyan (18%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)





- Cyan (34%)
- Magenta (45%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2463, 0.2804, 0.2399 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 31.2463, 0.2804, 0.2399 by changing the saturation by 10% instead.


 31.2463, 0.2804,
0.2399


 31.2463, 0.2804,
0.2399

307.6714, 0.2982,
0.2843

 20.7865, 0.2755,
0.2290


 61.6276, 0.2872,
0.2560

 12.9680, 0.2689,
0.2151


 82.3179, 0.2897,
0.2620

 7.4065, 0.2598,
0.1970


 107.1872, 0.2917,
0.2672

 3.7176, 0.2464,
0.1726

136.6198, 0.2934,
0.2716

 1.5169, 0.2251,
0.1386

171.0001, 0.2949,
0.2754

 0.3006, 0.1932,
0.0662

210.7125, 0.2961,

 0.0000, 0.0000,

0.2788

0.0000

256.1415, 0.2972,
0.2817

■ 31.2463, 0.2804,
0.2399

■ 31.2463, 0.2804,
0.2399

■ 24.6098, 0.2675,
0.2094

■ 39.1240, 0.2919,
0.2694

■ 19.1444, 0.2536,
0.1791

■ 48.3003, 0.3020,
0.2973

■ 14.7787, 0.2390,
0.1504


■ 58.8335, 0.3107,
0.3229


■ 11.4317, 0.2243,
0.1250


■ 70.7773, 0.3181,
0.3462


■ 9.0105, 0.2103,
0.1044


■ 84.1823, 0.3244,
0.3672

 7.4041, 0.1977,
0.0895

 94.1614, 0.3306,
0.3788

 6.5907, 0.1893,
0.0817

 96.2485, 0.3383,
0.3776

 97.2348, 0.3418,
0.3771

Harmonies

Analogous

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



31.2463, 0.2323, 0.2324



31.2463, 0.2804, 0.2399



31.2463, 0.3428, 0.2660

Triad

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



31.2463, 0.2804, 0.2399



31.2463, 0.4294, 0.3992



31.2463, 0.2288, 0.3454

Complementary

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



31.2463, 0.2804, 0.2399



55.3344, 0.3374, 0.4163

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.



31.2463, 0.2757, 0.4070



31.2463, 0.2804, 0.2399



31.2463, 0.3921, 0.4342

Square

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



31.2463, 0.2804, 0.2399



31.2463, 0.4341, 0.3528



31.2463, 0.3355, 0.4408



31.2463, 0.2048, 0.2858

Rectangle

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



31.2463, 0.2804, 0.2399



31.2463, 0.3837, 0.2915



31.2463, 0.3355, 0.4408



31.2463, 0.2422, 0.3672

Sweetspot

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



31.2476, 0.2804, 0.2399



82.1572, 0.3042, 0.3036



41.8115, 0.2620, 0.2904



17.0878, 0.3029, 0.2998



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.



31.2476, 0.2804, 0.2399



42.9391, 0.2716, 0.2187



35.2538, 0.3111, 0.2476



11.0777, 0.3049, 0.3055



4.1147, 0.1908, 0.0825



0.2568, 0.2132, 0.0948

Inverse Universe

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



34.7560, 0.3453, 0.2817



49.6351, 0.3549, 0.2713



51.9746, 0.3123, 0.4234



11.3184, 0.3203, 0.3159



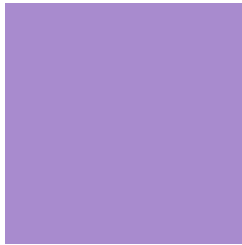
8.8870, 0.4664, 0.2343



0.4735, 0.4304, 0.2145

Previews

White Background



This preview shows how the Yxy color 31.2463, 0.2804, 0.2399 looks on a white background.

Color Contrast Check

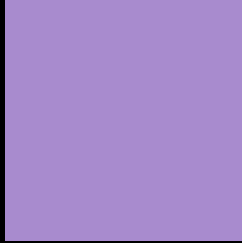
Large Text (above 18pt) WCAG AA × Fail

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 31.2463, 0.2804, 0.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

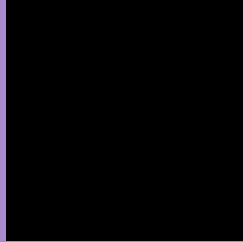
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2463, 0.2804, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 31.2463, 0.2804, 0.2399.



This preview shows how white text looks on a background with the Yxy color 31.2463, 0.2804, 0.2399.

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

31.2463, 0.2804, 0.2399

Protanopia

31.5733, 0.2464, 0.2390

Deuteranopia

31.5756, 0.2575, 0.2518



Tritanopia

31.1915, 0.3136, 0.3112

Trichromacy



Original Color

31.2463, 0.2804, 0.2399

Protanomaly

31.2807, 0.2576, 0.2390

Deuteranomaly

31.3551, 0.2651, 0.2467

Tritanomaly

31.2117, 0.3008, 0.2831

Monochromacy



Original Color

31.2463, 0.2804, 0.2399

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.0245, 0.3006, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2463, 0.2804, 0.2399 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(168, 139, 206)` looks like.

```
.text, #text, p{  
    color:rgb(168, 139, 206)  
}
```

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(168, 139, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 139, 206) }
```

Border

The CSS property to change the border of an element to Yxy 31.2463, 0.2804, 0.2399 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(168, 139, 206) }
```

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

```
.border{ border-color:rgb(168, 139, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 139, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 139, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 139, 206);  
box-shadow:4px 4px 4px 4px rgb(168, 139,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2463, 0.2804, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 139, 206) }
```

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

```
.background{ background-color: rgb(168,  
139, 206) }
```

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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