

Converting Colors

$Yxy(23.9686, 0.2634, 0.2488)$

Have a look what the booklet for
Yxy(23.9686, 0.2634, 0.2488)
contains.

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Color

Yxy(23.9686, 0.2634, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	8182B5
RGB	129, 130, 181
RGB Percent	51%, 51%, 71%
CMY	0.4941, 0.4902, 0.2903
CMYK	0.29, 0.28, 0.00, 0.29
HSL	239°, 26%, 61%
HSV	239°, 29%, 71%
XYZ	25.3751, 23.9686, 46.9931
YIQ	135.5150, -16.9670, 15.6490

Conversions

Conversions Part 2

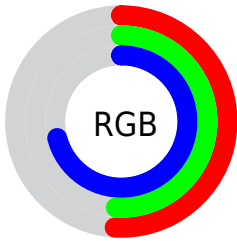
Format	Color
RYB	129, 130, 181
Decimal	8487605
CIELab	56.06, 11.37, -26.91
CIElCh	56, 29.210, 292.899
Yxy	23.9686, 0.2634, 0.2488
Android (android.graphics.Color)	4286677685 (0xFF8182B5)
YUV	135.5150, 22.4241, -5.7137
Hunter-Lab	48.9577, 6.8417, -22.6403

Details

The Yxy color **23.9686, 0.2634, 0.2488** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.0412, 0.3557, 0.3983**, and the grayscale version is **24.3503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0487, 0.2740, 0.2650**, and **9.0631, 0.2453, 0.2227** is the 20% darker color. If you saturate the color by 10%, you get **18.3535, 0.2430, 0.2154**, and if you desaturate by 10%, it is **30.6512, 0.2824, 0.2797**.

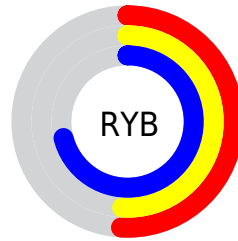
Distribution



Red (51%)

Green (51%)

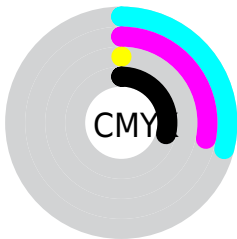
Blue (71%)



Red (51%)

Yellow (51%)

Blue (71%)

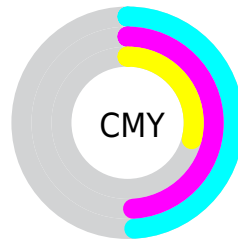


Cyan (29%)

Magenta (28%)

Yellow (0%)

Black (29%)



Cyan (49%)

Magenta (49%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9686, 0.2634, 0.2488 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 23.9686, 0.2634, 0.2488 by changing the saturation by 10% instead.

■ 23.9686, 0.2634,
0.2488

■ 23.9686, 0.2634,
0.2488

272.6617, 0.2907,
0.2914

■ 15.3103, 0.2557,
0.2375

■ 49.9790, 0.2739,
0.2648

■ 9.0375, 0.2453,
0.2225

■ 68.0998, 0.2777,
0.2707

■ 4.7656, 0.2306,
0.2021

■ 90.1437, 0.2808,
0.2755

■ 2.1104, 0.2083,
0.1729

116.4949, 0.2834,
0.2797

■ 0.6705, 0.1725,
0.1262

147.5380, 0.2856,
0.2832

■ 0.0000, 0.0000,
0.0000

183.6572, 0.2875,

0.2863

225.2370, 0.2892,
0.2890

■ 23.9686, 0.2634,
0.2488

■ 23.9686, 0.2634,
0.2488

■ 18.3535, 0.2430,
0.2154

■ 30.6512, 0.2824,
0.2797

■ 13.7479, 0.2218,
0.1807

■ 38.4495, 0.2994,
0.3075

■ 10.0929, 0.2012,
0.1466

■ 47.4123, 0.3145,
0.3320

■ 7.3221, 0.1825,
0.1155

■ 57.5846, 0.3277,
0.3533

■ 5.3607, 0.1673,
0.0900

■ 69.0090, 0.3391,
0.3716

■ 4.1214, 0.1568,
0.0722

■ 81.7261, 0.3490,
0.3875

■ 3.4751, 0.1510,
0.0622

■ 95.6431, 0.3569,
0.4011

■ 3.4107, 0.1504,
0.0612

■ 96.1153, 0.3567,
0.4018

Harmonies

Analogous

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



23.9686, 0.2317, 0.2525



23.9686, 0.2634, 0.2488



23.9686, 0.3106, 0.2630

Triad

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



23.9686, 0.2634, 0.2488



23.9686, 0.4145, 0.3696



23.9686, 0.2619, 0.3697

Complementary

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



23.9686, 0.2634, 0.2488



44.0412, 0.3557, 0.3983

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.



23.9686, 0.3082, 0.4098



23.9686, 0.2634, 0.2488



23.9686, 0.3976, 0.4041

Square

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



23.9686, 0.2634, 0.2488



23.9686, 0.4017, 0.3294



23.9686, 0.3581, 0.4213



23.9686, 0.2306, 0.3185

Rectangle

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



23.9686, 0.2634, 0.2488



23.9686, 0.3455, 0.2808



23.9686, 0.3581, 0.4213



23.9686, 0.2761, 0.3854

Sweetspot

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



23.9695, 0.2634, 0.2488



68.2321, 0.2987, 0.3063



40.9714, 0.2729, 0.3314



14.2892, 0.2964, 0.3025



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.9695, 0.2634, 0.2488



36.8276, 0.2516, 0.2295



25.8354, 0.2870, 0.2524



8.2554, 0.2985, 0.3059



2.3637, 0.1504, 0.0615



0.0830, 0.1522, 0.0678

Inverse Universe

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



27.1354, 0.3736, 0.3277



43.3950, 0.3913, 0.3275



41.7647, 0.3329, 0.4050



8.5078, 0.3284, 0.3286



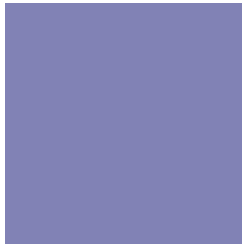
6.7787, 0.6375, 0.3286



0.2142, 0.6269, 0.3227

Previews

White Background



This preview shows how the Yxy color 23.9686, 0.2634, 0.2488 looks on a white background.

Color Contrast Check

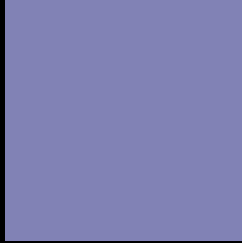
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9686, 0.2634, 0.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

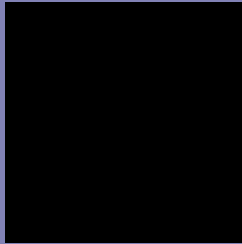
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9686, 0.2634, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 23.9686, 0.2634, 0.2488.



This preview shows how white text looks on a background with the Yxy color 23.9686, 0.2634, 0.2488.

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

23.9686, 0.2634, 0.2488

Protanopia

23.9145, 0.2541, 0.2476

Deuteranopia

23.8628, 0.2573, 0.2519



Tritanopia

23.8525, 0.2870, 0.3098

Trichromacy



Original Color

23.9686, 0.2634, 0.2488

Protanomaly

23.8210, 0.2573, 0.2479

Deuteranomaly

23.8130, 0.2598, 0.2508

Tritanomaly

23.9134, 0.2788, 0.2869

Monochromacy



Original Color

23.9686, 0.2634, 0.2488

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3037, 0.2935, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9686, 0.2634, 0.2488 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(129, 130, 181)` looks like.

```
.text, #text, p{  
    color:rgb(129, 130, 181)  
}
```

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(129, 130, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 130, 181) }
```

Border

The CSS property to change the border of an element to Yxy 23.9686, 0.2634, 0.2488 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(129, 130, 181) }
```

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

```
.border{ border-color:rgb(129, 130, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 130, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 130, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 130, 181);  
box-shadow:4px 4px 4px 4px rgb(129, 130,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9686, 0.2634, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 130, 181) }
```

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

```
.background{ background-color: rgb(129,  
130, 181) }
```

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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