

Converting Colors

$Y_{xy}(26.8990, 0.2720, 0.2417)$

Have a look what the booklet for
Yxy(26.8990, 0.2720, 0.2417)
contains.

Yxy(26.9212, 0.2718, 0.2421)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9212, 0.2718, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	9485C1
RGB	148, 133, 193
RGB Percent	58%, 52%, 76%
CMY	0.4197, 0.4784, 0.2431
CMYK	0.23, 0.31, 0.00, 0.24
HSL	255°, 33%, 64%
HSV	255°, 31%, 76%
XYZ	30.2238, 26.9212, 54.0537
YIQ	144.3250, -10.3200, 21.8400

Conversions

Conversions Part 2

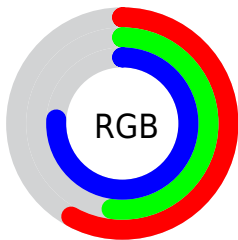
Format	Color
RYB	148, 133, 193
Decimal	9733569
CIELab	58.90, 18.43, -29.22
CIELCh	59, 34.547, 302.234
Yxy	26.9212, 0.2718, 0.2421
Android (android.graphics.Color)	4287923649 (0xFF9485C1)
YUV	144.3250, 23.9968, 3.2230
Hunter-Lab	51.8856, 13.1778, -25.4475

Details

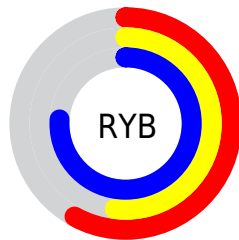
The Yxy color **26.9212, 0.2718, 0.2421** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.2997, 0.3458, 0.4092**, and the grayscale version is **27.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7164, 0.2804, 0.2581**, and **10.5374, 0.2571, 0.2154** is the 20% darker color. If you saturate the color by 10%, you get **20.8471, 0.2553, 0.2098**, and if you desaturate by 10%, it is **34.1373, 0.2868, 0.2727**.

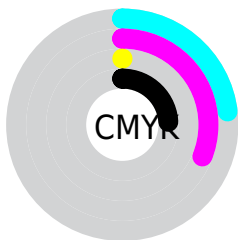
Distribution



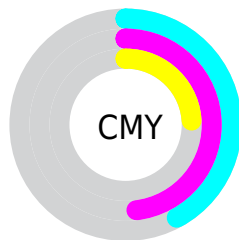
- Red (58%)
- Green (52%)
- Blue (76%)



- Red (58%)
- Yellow (52%)
- Blue (76%)



- Cyan (23%)
- Magenta (31%)
- Yellow (0%)
- Black (24%)



- Cyan (42%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9212, 0.2718, 0.2421 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 26.9212, 0.2718, 0.2421 by changing the saturation by 10% instead.

■ 26.9212, 0.2718,
0.2421

■ 26.9212, 0.2718,
0.2421

■ 287.2754, 0.2944,
0.2868

■ 17.5140, 0.2655,
0.2307

■ 54.7574, 0.2805,
0.2586

■ 10.6017, 0.2570,
0.2159

■ 73.9552, 0.2836,
0.2647

■ 5.7997, 0.2451,
0.1963

■ 97.1854, 0.2862,
0.2698

■ 2.7237, 0.2273,
0.1691

■ 124.8323, 0.2884,
0.2742

■ 0.9892, 0.1986,
0.1299

■ 157.2804, 0.2902,
0.2780

■ 0.0000, 0.1291,
0.0000

■ 194.9140, 0.2918,

■ 0.0000, 0.0000,

0.2813

0.0000

238.1175, 0.2932,
0.2842

■ 26.9212, 0.2718,
0.2421

■ 26.9212, 0.2718,
0.2421

■ 20.8471, 0.2553,
0.2098

■ 34.1373, 0.2868,
0.2727

■ 15.8523, 0.2377,
0.1771

■ 42.5472, 0.3000,
0.3009

■ 11.8730, 0.2196,
0.1455

■ 52.2035, 0.3116,
0.3264

■ 8.8371, 0.2022,
0.1171

■ 63.1547, 0.3215,
0.3491

■ 6.6626, 0.1864,
0.0939

■ 75.4464, 0.3300,
0.3692

■ 5.2531, 0.1733,
0.0774

■ 89.1223, 0.3371,
0.3869

■ 4.4833, 0.1642,
0.0678

■ 95.5744, 0.3458,
0.3907

■ 96.6302, 0.3496,
0.3900

Harmonies

Analogous

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



26.9212, 0.2303, 0.2393



26.9212, 0.2718, 0.2421



26.9212, 0.3285, 0.2635

Triad

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



26.9212, 0.2718, 0.2421



26.9212, 0.4256, 0.3870



26.9212, 0.2418, 0.3571

Complementary

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



26.9212, 0.2718, 0.2421



49.2997, 0.3458, 0.4092

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.



26.9212, 0.2896, 0.4106



26.9212, 0.2718, 0.2421



26.9212, 0.3966, 0.4225

Square

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



26.9212, 0.2718, 0.2421



26.9212, 0.4223, 0.3426



26.9212, 0.3463, 0.4346



26.9212, 0.2141, 0.2994

Rectangle

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



26.9212, 0.2718, 0.2421



26.9212, 0.3677, 0.2859



26.9212, 0.3463, 0.4346



26.9212, 0.2559, 0.3768

Sweetspot

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



26.9223, 0.2718, 0.2421



79.3859, 0.3024, 0.3061



41.0776, 0.2663, 0.3088



16.5135, 0.3006, 0.3022



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.



26.9223, 0.2718, 0.2421



40.9246, 0.2612, 0.2213



29.9746, 0.3001, 0.2489



9.8668, 0.3021, 0.3055



3.0143, 0.1653, 0.0684



0.1641, 0.1896, 0.0818

Inverse Universe

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



31.3295, 0.3315, 0.2703



50.1032, 0.3365, 0.2580



46.2227, 0.3212, 0.4158



10.2031, 0.3175, 0.3119



8.9098, 0.3952, 0.1951



0.3954, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 26.9212, 0.2718, 0.2421 looks on a white background.

Color Contrast Check

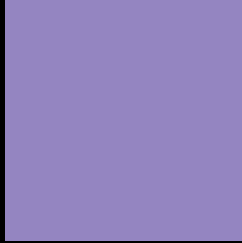
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9212, 0.2718, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

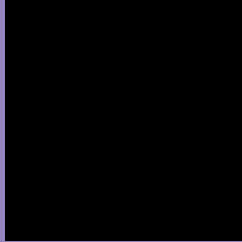
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9212, 0.2718, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 26.9212, 0.2718, 0.2421.



This preview shows how white text looks on a background with the Yxy color 26.9212, 0.2718, 0.2421.

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

26.9212, 0.2718, 0.2421

Protanopia

27.1185, 0.2485, 0.2417

Deuteranopia

27.0740, 0.2551, 0.2499



Tritanopia

26.8922, 0.3009, 0.3112

Trichromacy



Original Color

26.9212, 0.2718, 0.2421

Protanomaly

26.8634, 0.2567, 0.2413

Deuteranomaly

26.8480, 0.2614, 0.2466

Tritanomaly

26.8066, 0.2899, 0.2837

Monochromacy



Original Color

26.9212, 0.2718, 0.2421

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.3845, 0.2966, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9212, 0.2718, 0.2421 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(148, 133, 193)` looks like.

```
.text, #text, p{  
    color:rgb(148, 133, 193)  
}
```

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(148, 133, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 133, 193) }
```

Border

The CSS property to change the border of an element to Yxy 26.9212, 0.2718, 0.2421 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(148, 133, 193) }
```

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

```
.border{ border-color:rgb(148, 133, 193) }
```

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

Here you see how a box with a 4 pixel rgb(148, 133, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 133, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 133, 193);  
box-shadow:4px 4px 4px 4px rgb(148, 133,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9212, 0.2718, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 133, 193) }
```

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

```
.background{ background-color: rgb(148,  
133, 193) }
```

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