

Converting Colors

$Y_{xy}(26.7950, 0.2399, 0.2308)$

Have a look what the booklet for
Yxy(26.7950, 0.2399, 0.2308)
contains.

Yxy(26.7950, 0.2399, 0.2308)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.7950, 0.2399, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	778BCD
RGB	119, 139, 205
RGB Percent	47%, 55%, 80%
CMY	0.5336, 0.4548, 0.1961
CMYK	0.42, 0.32, 0.00, 0.20
HSL	226°, 46%, 64%
HSV	226°, 42%, 80%
XYZ	27.8515, 26.7950, 61.4497
YIQ	140.5440, -33.1060, 16.2860

Conversions

Conversions Part 2

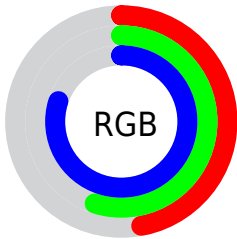
Format	Color
R _Y B	119, 135, 205
Decimal	7834573
CIE Lab	58.78, 9.76, -36.34
CIE LCh	59, 37.628, 285.030
Yxy	26.7950, 0.2399, 0.2308
Android (android.graphics.Color)	4286024653 (0xFF778BCD)
YUV	140.5440, 31.7768, -18.8941
Hunter-Lab	51.7639, 5.4548, -34.1494

Details

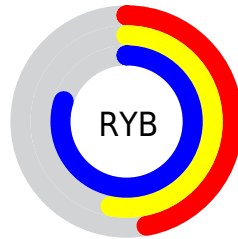
The Yxy color **26.7950, 0.2399, 0.2308** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.9632, 0.3843, 0.4106**, and the grayscale version is **26.3284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9179, 0.2583, 0.2562**, and **10.4706, 0.2164, 0.2013** is the 20% darker color. If you saturate the color by 10%, you get **21.2705, 0.2209, 0.2023**, and if you desaturate by 10%, it is **33.2883, 0.2588, 0.2578**.

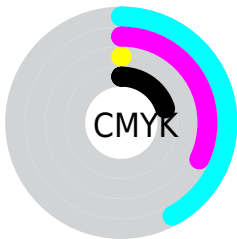
Distribution



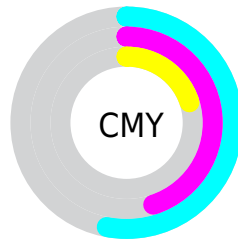
- Red (47%)
- Green (55%)
- Blue (80%)



- Red (47%)
- Yellow (53%)
- Blue (80%)



- Cyan (42%)
- Magenta (32%)
- Yellow (0%)
- Black (20%)



- Cyan (53%)
- Magenta (45%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7950, 0.2399, 0.2308 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 26.7950, 0.2399, 0.2308 by changing the saturation by 10% instead.

■ 26.7950, 0.2399,
0.2308

■ 26.7950, 0.2399,
0.2308

■ 286.6632, 0.2787,
0.2815

■ 17.4193, 0.2296,
0.2179

■ 54.5547, 0.2545,
0.2494

■ 10.5339, 0.2162,
0.2014

■ 73.7076, 0.2598,
0.2564

■ 5.7544, 0.1980,
0.1797

■ 96.8883, 0.2643,
0.2622

■ 2.6963, 0.1725,
0.1502

■ 124.4812, 0.2681,
0.2672

■ 0.9753, 0.1353,
0.1095

■ 156.8708, 0.2713,
0.2715

■ 0.0000, 0.0331,
0.0000

■ 194.4413, 0.2741,

■ 0.0000, 0.0000,

0.2753

0.0000

237.5773, 0.2766,
0.2786

■ 26.7950, 0.2399,
0.2308

■ 26.7950, 0.2399,
0.2308

■ 21.2705, 0.2209,
0.2023

■ 33.2883, 0.2588,
0.2578

■ 16.6637, 0.2027,
0.1734

■ 40.7921, 0.2770,
0.2828

■ 12.9233, 0.1863,
0.1455

■ 49.3491, 0.2941,
0.3053

■ 9.9909, 0.1726,
0.1200

■ 58.9986, 0.3098,
0.3253

■ 7.8002, 0.1625,
0.0984

■ 69.7779, 0.3241,
0.3430

■ 6.5079, 0.1568,
0.0846

■ 81.7225, 0.3370,
0.3584

■ 93.4304, 0.3434,
0.3725

■ 97.1869, 0.3424,
0.3781

Harmonies

Analogous

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



26.7950, 0.2084, 0.2403



26.7950, 0.2399, 0.2308



26.7950, 0.2929, 0.2429

Triad

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



26.7950, 0.2399, 0.2308



26.7950, 0.4385, 0.3637



26.7950, 0.2629, 0.3961

Complementary

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



26.7950, 0.2399, 0.2308



48.9632, 0.3843, 0.4106

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.



26.7950, 0.3221, 0.4389



26.7950, 0.2399, 0.2308



26.7950, 0.4255, 0.4095

Square

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



26.7950, 0.2399, 0.2308



26.7950, 0.4132, 0.3155



26.7950, 0.3818, 0.4405



26.7950, 0.2199, 0.3312

Rectangle

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



26.7950, 0.2399, 0.2308



26.7950, 0.3357, 0.2612



26.7950, 0.3818, 0.4405



26.7950, 0.2816, 0.4143

Sweetspot

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



26.7960, 0.2399, 0.2308



79.0900, 0.2921, 0.3027



51.0102, 0.2679, 0.3594



16.2351, 0.2884, 0.2978



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.



26.7960, 0.2399, 0.2308



35.9718, 0.2234, 0.2062



23.2008, 0.2535, 0.2064



11.2619, 0.2983, 0.3107



4.1744, 0.1574, 0.0868



0.3354, 0.1681, 0.1250

Inverse Universe

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



28.0205, 0.3943, 0.3034



39.0114, 0.4210, 0.2986



55.1097, 0.3566, 0.4387



11.2559, 0.3254, 0.3236



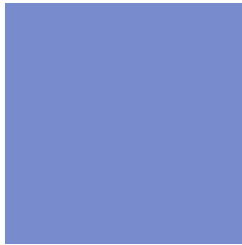
8.2244, 0.5962, 0.3058



0.4364, 0.5395, 0.2746

Previews

White Background



This preview shows how the Yxy color 26.7950, 0.2399, 0.2308 looks on a white background.

Color Contrast Check

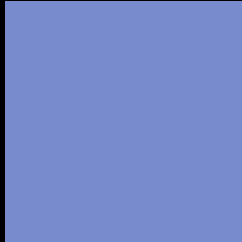
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7950, 0.2399, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

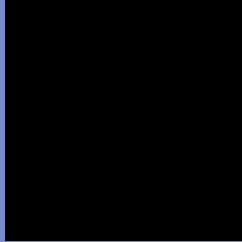
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7950, 0.2399, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 26.7950, 0.2399, 0.2308.



This preview shows how white text looks on a background with the Yxy color 26.7950, 0.2399, 0.2308.

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

26.7950, 0.2399, 0.2308

Protanopia

26.8661, 0.2407, 0.2309

Deuteranopia

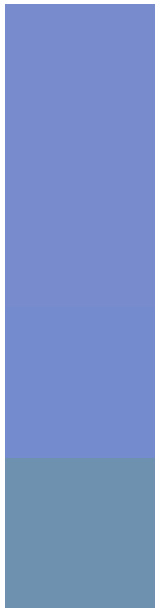
26.8088, 0.2373, 0.2316



Tritanopia

26.8437, 0.2641, 0.3083

Trichromacy



Original Color

26.7950, 0.2399, 0.2308

Protanomaly

26.8661, 0.2407, 0.2309

Deuteranomaly

26.8769, 0.2380, 0.2318

Tritanomaly

26.7649, 0.2548, 0.2781

Monochromacy



Original Color

26.7950, 0.2399, 0.2308

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.4230, 0.2829, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7950, 0.2399, 0.2308 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(119, 139, 205)` looks like.

```
.text, #text, p{  
    color:rgb(119, 139, 205)  
}
```

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(119, 139, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 139, 205) }
```

Border

The CSS property to change the border of an element to Yxy 26.7950, 0.2399, 0.2308 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(119, 139, 205) }
```

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

```
.border{ border-color:rgb(119, 139, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 139, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 139, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 139, 205);  
box-shadow:4px 4px 4px 4px rgb(119, 139,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7950, 0.2399, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 139, 205) }
```

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

```
.background{ background-color: rgb(119,  
139, 205) }
```

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