

Converting Colors

$Y_{xy}(26.8977, 0.2393, 0.2331)$

Have a look what the booklet for
Yxy(26.8977, 0.2393, 0.2331)
contains.

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Color

Yxy(26.8977, 0.2393, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	758CCC
RGB	117, 140, 204
RGB Percent	46%, 55%, 80%
CMY	0.5413, 0.4510, 0.1999
CMYK	0.43, 0.31, 0.00, 0.20
HSL	224°, 46%, 63%
HSV	224°, 43%, 80%
XYZ	27.6131, 26.8977, 60.8804
YIQ	140.4190, -34.2520, 15.0280

Conversions

Conversions Part 2

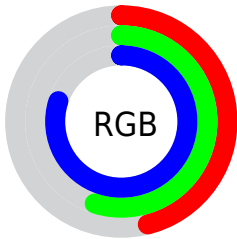
Format	Color
R _Y B	117, 135, 204
Decimal	7703756
CIE Lab	58.88, 8.40, -35.66
CIE LCh	59, 36.639, 283.248
Yxy	26.8977, 0.2393, 0.2331
Android (android.graphics.Color)	4285893836 (0xFF758CCC)
YUV	140.4190, 31.3454, -20.5385
Hunter-Lab	51.8630, 4.2775, -33.2947

Details

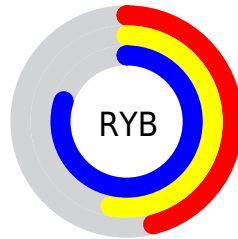
The Yxy color **26.8977, 0.2393, 0.2331** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.1728, 0.3869, 0.4088**, and the grayscale version is **26.2817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.1306, 0.2572, 0.2572**, and **10.5390, 0.2159, 0.2044** is the 20% darker color. If you saturate the color by 10%, you get **21.5459, 0.2207, 0.2057**, and if you desaturate by 10%, it is **33.1574, 0.2579, 0.2591**.

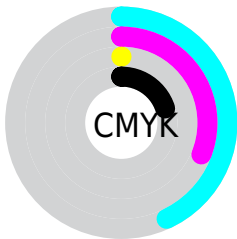
Distribution



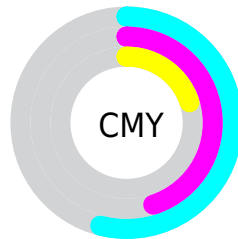
- Red (46%)
- Green (55%)
- Blue (80%)



- Red (46%)
- Yellow (53%)
- Blue (80%)



- Cyan (43%)
- Magenta (31%)
- Yellow (0%)
- Black (20%)



- Cyan (54%)
- Magenta (45%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8977, 0.2393, 0.2331 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 26.8977, 0.2393, 0.2331 by changing the saturation by 10% instead.

■ 26.8977, 0.2393,
0.2331

■ 26.8977, 0.2393,
0.2331

■ 287.1615, 0.2784,
0.2827

■ 17.4964, 0.2290,
0.2204

■ 54.7197, 0.2540,
0.2514

■ 10.5890, 0.2155,
0.2042

■ 73.9091, 0.2593,
0.2582

■ 5.7912, 0.1972,
0.1827

■ 97.1301, 0.2638,
0.2639

■ 2.7186, 0.1716,
0.1534

■ 124.7670, 0.2676,
0.2688

■ 0.9866, 0.1342,
0.1126

■ 157.2042, 0.2709,
0.2730

■ 0.0000, 0.0270,
0.0000

■ 194.8260, 0.2737,

■ 0.0000, 0.0000,

0.2767

0.0000

238.0170, 0.2762,
0.2799

■ 26.8977, 0.2393,
0.2331

■ 26.8977, 0.2393,
0.2331

■ 21.5459, 0.2207,
0.2057

■ 33.1574, 0.2579,
0.2591

■ 17.0549, 0.2030,
0.1778

■ 40.3632, 0.2759,
0.2831

■ 13.3773, 0.1870,
0.1506

■ 48.5545, 0.2930,
0.3049

■ 10.4595, 0.1737,
0.1255

■ 57.7675, 0.3087,
0.3242

■ 8.2402, 0.1638,
0.1039

■ 68.0367, 0.3232,
0.3413

■ 6.9968, 0.1586,
0.0908

■ 79.3947, 0.3363,
0.3563

■ 90.9519, 0.3448,
0.3697

■ 97.1410, 0.3430,
0.3790

Harmonies

Analogous

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



26.8977, 0.2098, 0.2439



26.8977, 0.2393, 0.2331



26.8977, 0.2900, 0.2437

Triad

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



26.8977, 0.2393, 0.2331



26.8977, 0.4346, 0.3603



26.8977, 0.2675, 0.3975

Complementary

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



26.8977, 0.2393, 0.2331



47.1728, 0.3869, 0.4088

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.



26.8977, 0.3257, 0.4369



26.8977, 0.2393, 0.2331



26.8977, 0.4243, 0.4053

Square

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



26.8977, 0.2393, 0.2331



26.8977, 0.4078, 0.3133



26.8977, 0.3833, 0.4365



26.8977, 0.2241, 0.3351

Rectangle

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



26.8977, 0.2393, 0.2331



26.8977, 0.3314, 0.2610



26.8977, 0.3833, 0.4365



26.8977, 0.2859, 0.4145

Sweetspot

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



26.8987, 0.2393, 0.2331



79.6649, 0.2921, 0.3038



50.3080, 0.2682, 0.3621



16.3756, 0.2884, 0.2991



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.



26.8987, 0.2393, 0.2331



36.4941, 0.2226, 0.2085



22.4207, 0.2510, 0.2037



11.3186, 0.2983, 0.3115



4.5340, 0.1592, 0.0931



0.3612, 0.1702, 0.1325

Inverse Universe

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



27.4519, 0.3927, 0.2995



38.4301, 0.4195, 0.2939



54.6383, 0.3584, 0.4400



11.2616, 0.3249, 0.3229



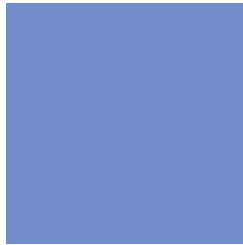
8.2607, 0.5864, 0.3004



0.4390, 0.5292, 0.2689

Previews

White Background



This preview shows how the Yxy color 26.8977, 0.2393, 0.2331 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 26.8977, 0.2393, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

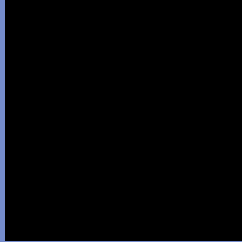
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8977, 0.2393, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 26.8977, 0.2393, 0.2331.

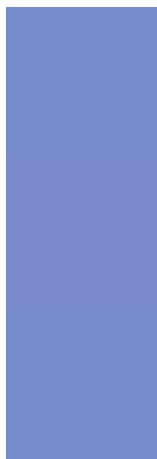


This preview shows how white text looks on a background with the Yxy color 26.8977, 0.2393, 0.2331.

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

26.8977, 0.2393, 0.2331

Protanopia

26.8420, 0.2427, 0.2335

Deuteranopia

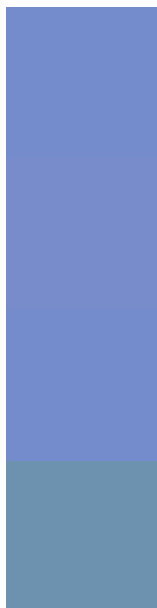
26.8288, 0.2386, 0.2330



Tritanopia

27.0362, 0.2628, 0.3100

Trichromacy



Original Color

26.8977, 0.2393, 0.2331

Protanomaly

26.7701, 0.2419, 0.2333

Deuteranomaly

26.8288, 0.2386, 0.2330

Tritanomaly

26.9436, 0.2535, 0.2796

Monochromacy



Original Color

26.8977, 0.2393, 0.2331

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.3060, 0.2828, 0.2917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8977, 0.2393, 0.2331 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(117, 140, 204)` looks like.

```
.text, #text, p{  
    color:rgb(117, 140, 204)  
}
```

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(117, 140, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 140, 204) }
```

Border

The CSS property to change the border of an element to Yxy 26.8977, 0.2393, 0.2331 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(117, 140, 204) }
```

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

```
.border{ border-color:rgb(117, 140, 204) }
```

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

Here you see how a box with a 4 pixel rgb(117, 140, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 140, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 140, 204);  
box-shadow:4px 4px 4px 4px rgb(117, 140,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8977, 0.2393, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 140, 204) }
```

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

```
.background{ background-color: rgb(117,  
140, 204) }
```

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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