

Converting Colors

$Y_{xy}(22.7580, 0.2913, 0.2855)$

Have a look what the booklet for
Yxy(22.7580, 0.2913, 0.2855)
contains.

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Color

Yxy(22.7580, 0.2913, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	85809A
RGB	133, 128, 154
RGB Percent	52%, 50%, 60%
CMY	0.4785, 0.4980, 0.3961
CMYK	0.14, 0.17, 0.00, 0.40
HSL	251°, 11%, 55%
HSV	251°, 17%, 60%
XYZ	23.2203, 22.7580, 33.7345
YIQ	132.4590, -5.3660, 9.1460

Conversions

Conversions Part 2

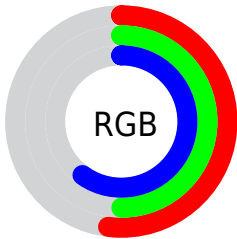
Format	Color
R_{YB}	133, 128, 154
Decimal	8749210
CIE Lab	54.82, 7.30, -13.22
CIE LCh	55, 15.107, 298.903
Yxy	22.7580, 0.2913, 0.2855
Android (android.graphics.Color)	4286939290 (0xFF85809A)
YUV	132.4590, 10.6197, 0.4745
Hunter-Lab	47.7053, 3.3996, -8.5327

Details

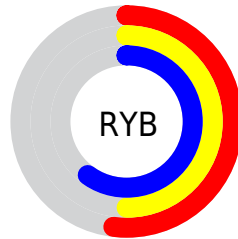
The Yxy color **22.7580, 0.2913, 0.2855** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **31.0579, 0.3321, 0.3703**, and the grayscale version is **23.2102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0409, 0.2962, 0.2954**, and **8.4102, 0.2823, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **18.0871, 0.2763, 0.2561**, and if you desaturate by 10%, it is **28.1608, 0.3046, 0.3123**.

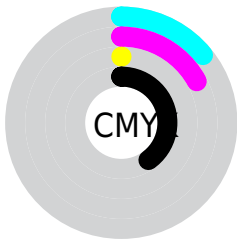
Distribution



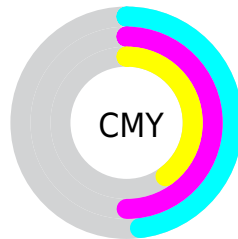
- Red (52%)
- Green (50%)
- Blue (60%)



- Red (52%)
- Yellow (50%)
- Blue (60%)



- Cyan (14%)
- Magenta (17%)
- Yellow (0%)
- Black (40%)



- Cyan (48%)
- Magenta (50%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7580, 0.2913, 0.2855 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 22.7580, 0.2913, 0.2855 by changing the saturation by 10% instead.

■ 22.7580, 0.2913,
0.2855

■ 22.7580, 0.2913,
0.2855

266.4796, 0.3034,
0.3093

■ 14.4149, 0.2877,
0.2788

■ 47.9957, 0.2961,
0.2947

■ 8.4098, 0.2828,
0.2696

■ 65.6590, 0.2977,
0.2980

■ 4.3583, 0.2754,
0.2565

■ 87.1979, 0.2991,
0.3007

■ 1.8759, 0.2634,
0.2360

112.9968, 0.3002,
0.3030

■ 0.5338, 0.2420,
0.1884

143.4400, 0.3012,
0.3049

■ 0.0000, 0.0000,
0.0000

178.9119, 0.3020,

0.3066

219.7970, 0.3028,
0.3080

■ 22.7580, 0.2913,
0.2855

■ 22.7580, 0.2913,
0.2855

■ 18.0871, 0.2763,
0.2561

■ 28.1608, 0.3046,
0.3123

■ 14.1136, 0.2596,
0.2245

■ 34.3222, 0.3162,
0.3362

■ 10.8047, 0.2416,
0.1917

■ 41.2711, 0.3261,
0.3574

■ 8.1234, 0.2230,
0.1592

■ 49.0343, 0.3347,
0.3760

■ 6.0295, 0.2047,
0.1287

■ 57.6368, 0.3420,
0.3923

■ 4.4777, 0.1879,
0.1025

■ 67.1030, 0.3482,
0.4065

■ 3.4161, 0.1737,
0.0824

■ 77.4561, 0.3535,
0.4190

■ 2.7656, 0.1628,
0.0691

■ 88.7185, 0.3580,
0.4298

■ 2.5996, 0.1600,
0.0655

■ 93.2843, 0.3654,
0.4300

Harmonies

Analogous

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



22.7580, 0.2714, 0.2863



22.7580, 0.2913, 0.2855



22.7580, 0.3178, 0.2952

Triad

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



22.7580, 0.2913, 0.2855



22.7580, 0.3657, 0.3567



22.7580, 0.2817, 0.3451

Complementary

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



22.7580, 0.2913, 0.2855



31.0579, 0.3321, 0.3703

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.



22.7580, 0.3060, 0.3666



22.7580, 0.2913, 0.2855



22.7580, 0.3549, 0.3723

Square

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



22.7580, 0.2913, 0.2855



22.7580, 0.3617, 0.3351



22.7580, 0.3328, 0.3765



22.7580, 0.2660, 0.3197

Rectangle

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



22.7580, 0.2913, 0.2855



22.7580, 0.3357, 0.3063



22.7580, 0.3328, 0.3765



22.7580, 0.2891, 0.3532

Sweetspot

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



22.7589, 0.2913, 0.2855



53.0417, 0.3068, 0.3167



28.4891, 0.2876, 0.3211



11.8472, 0.3060, 0.3151



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.7589, 0.2913, 0.2855



38.2024, 0.2862, 0.2754



23.8639, 0.3054, 0.2873



6.0803, 0.3016, 0.3062



2.1307, 0.1606, 0.0658



0.0441, 0.1948, 0.0847

Inverse Universe

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



24.4816, 0.3200, 0.2959



41.9099, 0.3217, 0.2888



29.9199, 0.3189, 0.3721



6.3034, 0.3165, 0.3112



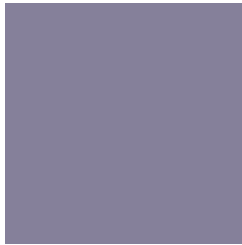
6.8003, 0.3746, 0.1837



0.1063, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 22.7580, 0.2913, 0.2855 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 22.7580, 0.2913, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

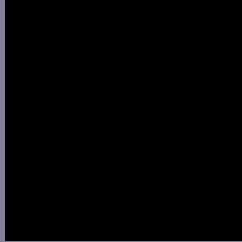
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7580, 0.2913, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 22.7580, 0.2913, 0.2855.



This preview shows how white text looks on a background with the Yxy color 22.7580, 0.2913, 0.2855.

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

22.7580, 0.2913, 0.2855

Protanopia

22.7674, 0.2831, 0.2864

Deuteranopia

22.7580, 0.2913, 0.2855



Tritanopia

22.7136, 0.3023, 0.3100

Trichromacy



Original Color

22.7580, 0.2913, 0.2855

Protanomaly

22.7342, 0.2861, 0.2851

Deuteranomaly

22.7580, 0.2913, 0.2855

Tritanomaly

22.6814, 0.2983, 0.2999

Monochromacy



Original Color

22.7580, 0.2913, 0.2855

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.0316, 0.3044, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7580, 0.2913, 0.2855 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(133, 128, 154)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 154)  
}
```

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(133, 128, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.7580, 0.2913, 0.2855 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(133, 128, 154) }
```

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

```
.border{ border-color:rgb(133, 128, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 154);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7580, 0.2913, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 154) }
```

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

```
.background{ background-color: rgb(133,  
128, 154) }
```

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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