

Converting Colors

$Y_{xy}(24.5829, 0.2759, 0.2696)$

Have a look what the booklet for
Yxy(24.5829, 0.2759, 0.2696)
contains.

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Color

Yxy(24.5829, 0.2759, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	8485AA
RGB	132, 133, 170
RGB Percent	52%, 52%, 67%
CMY	0.4824, 0.4784, 0.3334
CMYK	0.22, 0.22, 0.00, 0.33
HSL	238°, 18%, 59%
HSV	238°, 22%, 67%
XYZ	25.1574, 24.5829, 41.4426
YIQ	136.9190, -12.4730, 11.2950

Conversions

Conversions Part 2

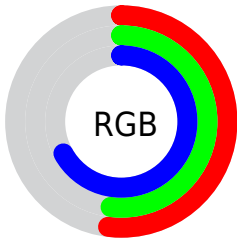
Format	Color
R_{YB}	132, 133, 170
Decimal	8684970
CIE Lab	56.67, 7.81, -19.65
CIE LCh	57, 21.149, 291.675
Yxy	24.5829, 0.2759, 0.2696
Android (android.graphics.Color)	4286875050 (0xFF8485AA)
YUV	136.9190, 16.3089, -4.3140
Hunter-Lab	49.5811, 3.8035, -14.8510

Details

The Yxy color $24.5829, 0.2759, 0.2696$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $38.5782, 0.3460, 0.3822$, and the grayscale version is $24.9251, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.9932, 0.2844, 0.2821$, and $9.4425, 0.2624, 0.2498$ is the 20% darker color. If you saturate the color by 10%, you get $19.1435, 0.2565, 0.2381$, and if you desaturate by 10%, it is $30.9614, 0.2936, 0.2982$.

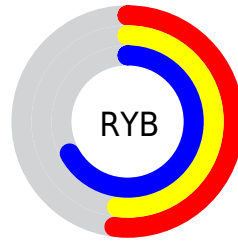
Distribution



Red (52%)

Green (52%)

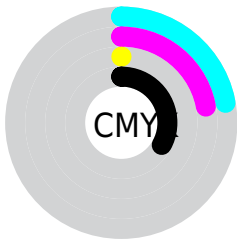
Blue (67%)



Red (52%)

Yellow (52%)

Blue (67%)

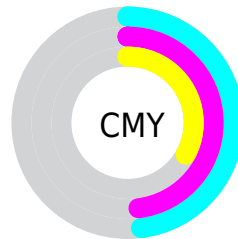


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (48%)

Magenta (48%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5829, 0.2759, 0.2696 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 24.5829, 0.2759, 0.2696 by changing the saturation by 10% instead.

■ 24.5829, 0.2759,
0.2696

■ 24.5829, 0.2759,
0.2696

■ 275.7543, 0.2963,
0.3015

■ 15.7666, 0.2701,
0.2609

■ 50.9798, 0.2838,
0.2817

■ 9.3591, 0.2622,
0.2493

■ 69.3291, 0.2866,
0.2861

■ 4.9762, 0.2509,
0.2330

■ 91.6248, 0.2889,
0.2898

■ 2.2333, 0.2333,
0.2088

■ 118.2515, 0.2909,
0.2929

■ 0.7380, 0.2035,
0.1682

■ 149.5933, 0.2925,
0.2955

■ 0.0000, 0.0000,
0.0000

186.0348, 0.2939,

0.2978

227.9604, 0.2952,
0.2997

■ 24.5829, 0.2759,
0.2696

■ 24.5829, 0.2759,
0.2696

■ 19.1435, 0.2565,
0.2381

■ 30.9614, 0.2936,
0.2982

■ 14.5960, 0.2359,
0.2045

■ 38.3171, 0.3093,
0.3235

■ 10.8937, 0.2149,
0.1700

■ 46.6899, 0.3231,
0.3457

■ 7.9846, 0.1949,
0.1369

■ 56.1164, 0.3351,
0.3649

■ 5.8107, 0.1773,
0.1075

■ 66.6314, 0.3455,
0.3814

■ 4.3063, 0.1636,
0.0843

■ 78.2682, 0.3545,
0.3956

■ 3.3938, 0.1547,
0.0688

■ 91.0585, 0.3622,
0.4079

■ 2.9999, 0.1505,
0.0618

■ 95.6818, 0.3632,
0.4124

Harmonies

Analogous

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



24.5829, 0.2526, 0.2737



24.5829, 0.2759, 0.2696



24.5829, 0.3102, 0.2795

Triad

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



24.5829, 0.2759, 0.2696



24.5829, 0.3858, 0.3589



24.5829, 0.2775, 0.3593

Complementary

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



24.5829, 0.2759, 0.2696



38.5782, 0.3460, 0.3822

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.



24.5829, 0.3118, 0.3863



24.5829, 0.2759, 0.2696



24.5829, 0.3753, 0.3834

Square

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



24.5829, 0.2759, 0.2696



24.5829, 0.3755, 0.3291



24.5829, 0.3478, 0.3947



24.5829, 0.2534, 0.3238

Rectangle

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



24.5829, 0.2759, 0.2696



24.5829, 0.3352, 0.2927



24.5829, 0.3478, 0.3947



24.5829, 0.2882, 0.3699

Sweetspot

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



24.5839, 0.2759, 0.2696



62.9301, 0.3020, 0.3118



36.5041, 0.2812, 0.3308



13.8639, 0.3011, 0.3104



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.5839, 0.2759, 0.2696



39.3295, 0.2661, 0.2537



25.8615, 0.2937, 0.2710



7.3313, 0.2986, 0.3063



2.2203, 0.1506, 0.0622



0.0637, 0.1533, 0.0720

Inverse Universe

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



26.7399, 0.3560, 0.3276



43.9930, 0.3694, 0.3273



37.1110, 0.3286, 0.3867



7.5454, 0.3282, 0.3284



6.2952, 0.6364, 0.3280



0.1541, 0.6200, 0.3189

Previews

White Background



This preview shows how the Yxy color 24.5829, 0.2759, 0.2696 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 24.5829, 0.2759, 0.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

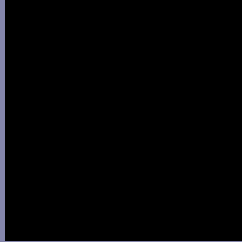
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5829, 0.2759, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 24.5829, 0.2759, 0.2696.



This preview shows how white text looks on a background with the Yxy color 24.5829, 0.2759, 0.2696.

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

24.5829, 0.2759, 0.2696

Protanopia

24.5025, 0.2704, 0.2690

Deuteranopia

24.5026, 0.2749, 0.2694



Tritanopia

24.6186, 0.2923, 0.3102

Trichromacy



Original Color

24.5829, 0.2759, 0.2696

Protanomaly

24.6576, 0.2723, 0.2693

Deuteranomaly

24.5026, 0.2749, 0.2694

Tritanomaly

24.6757, 0.2858, 0.2955

Monochromacy



Original Color

24.5829, 0.2759, 0.2696

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.9291, 0.2986, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5829, 0.2759, 0.2696 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(132, 133, 170)` looks like.

```
.text, #text, p{  
    color:rgb(132, 133, 170)  
}
```

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(132, 133, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 133, 170) }
```

Border

The CSS property to change the border of an element to Yxy 24.5829, 0.2759, 0.2696 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(132, 133, 170) }
```

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

```
.border{ border-color:rgb(132, 133, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 133, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 133, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 133, 170);  
box-shadow:4px 4px 4px 4px rgb(132, 133,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5829, 0.2759, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 133, 170) }
```

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

```
.background{ background-color: rgb(132,  
133, 170) }
```

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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