

Converting Colors

$Y_{xy}(24.4626, 0.2678, 0.2618)$

Have a look what the booklet for
Yxy(24.4626, 0.2678, 0.2618)
contains.

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Color

Yxy(24.4594, 0.2678, 0.2617)

Conversions

Conversions Part 1

Format	Color
Hex	8085AF
RGB	128, 133, 175
RGB Percent	50%, 52%, 69%
CMY	0.4980, 0.4784, 0.3136
CMYK	0.27, 0.24, 0.00, 0.31
HSL	234°, 23%, 59%
HSV	234°, 27%, 69%
XYZ	25.0295, 24.4594, 43.9746
YIQ	136.2930, -16.4620, 12.0020

Conversions

Conversions Part 2

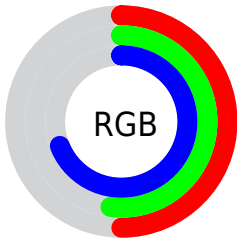
Format	Color
R_{YB}	128, 133, 175
Decimal	8422831
CIE Lab	56.54, 7.79, -22.76
CIE LCh	57, 24.055, 288.901
Yxy	24.4594, 0.2678, 0.2617
Android (android.graphics.Color)	4286612911 (0xFF8085AF)
YUV	136.2930, 19.0826, -7.2730
Hunter-Lab	49.4564, 3.7887, -18.0986

Details

The Yxy color $24.4594, 0.2678, 0.2617$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $39.4370, 0.3542, 0.3884$, and the grayscale version is $24.6685, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.8324, 0.2774, 0.2750$, and $9.3236, 0.2513, 0.2405$ is the 20% darker color. If you saturate the color by 10%, you get $19.2492, 0.2484, 0.2317$, and if you desaturate by 10%, it is $30.5435, 0.2859, 0.2892$.

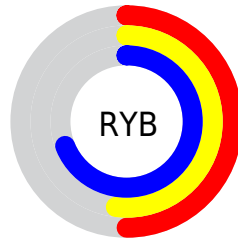
Distribution



Red (50%)

Green (52%)

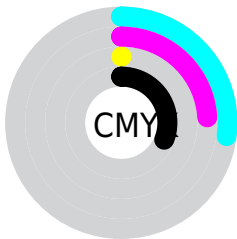
Blue (69%)



Red (50%)

Yellow (52%)

Blue (69%)

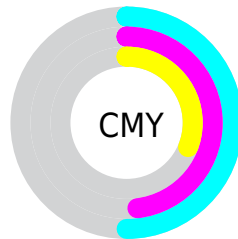


Cyan (27%)

Magenta (24%)

Yellow (0%)

Black (31%)



Cyan (50%)

Magenta (48%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4594, 0.2678, 0.2617 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 24.4594, 0.2678, 0.2617 by changing the saturation by 10% instead.

■ 24.4594, 0.2678,
0.2617

■ 24.4594, 0.2678,
0.2617

■ 275.1349, 0.2925,
0.2977

■ 15.6748, 0.2608,
0.2519

■ 50.7788, 0.2774,
0.2754

■ 9.2943, 0.2514,
0.2390

■ 69.0824, 0.2808,
0.2803

■ 4.9336, 0.2379,
0.2209

■ 91.3278, 0.2836,
0.2844

■ 2.2084, 0.2174,
0.1945

■ 117.8993, 0.2860,
0.2879

■ 0.7246, 0.1836,
0.1513

■ 149.1814, 0.2880,
0.2909

■ 0.0000, 0.0000,
0.0000

185.5584, 0.2897,

0.2935

227.4148, 0.2912,
0.2957

■ 24.4594, 0.2678,
0.2617

■ 24.4594, 0.2678,
0.2617

■ 19.2492, 0.2484,
0.2317

■ 30.5435, 0.2859,
0.2892

■ 14.8699, 0.2282,
0.1999

■ 37.5362, 0.3024,
0.3138

■ 11.2791, 0.2082,
0.1676

■ 45.4737, 0.3171,
0.3355

■ 8.4298, 0.1896,
0.1366

■ 54.3894, 0.3302,
0.3544

■ 6.2694, 0.1737,
0.1090

■ 64.3151, 0.3417,
0.3708

■ 4.7388, 0.1617,
0.0868

■ 75.2812, 0.3517,
0.3850

■ 3.7646, 0.1540,
0.0714

■ 87.3167, 0.3605,
0.3972

■ 3.5489, 0.1522,
0.0678

■ 95.8763, 0.3602,
0.4076

Harmonies

Analogous

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



24.4594, 0.2432, 0.2675



24.4594, 0.2678, 0.2617



24.4594, 0.3057, 0.2716

Triad

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



24.4594, 0.2678, 0.2617



24.4594, 0.3960, 0.3593



24.4594, 0.2758, 0.3672

Complementary

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



24.4594, 0.2678, 0.2617



39.4370, 0.3542, 0.3884

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.



24.4594, 0.3152, 0.3968



24.4594, 0.2678, 0.2617



24.4594, 0.3858, 0.3884

Square

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



24.4594, 0.2678, 0.2617



24.4594, 0.3821, 0.3256



24.4594, 0.3557, 0.4037



24.4594, 0.2474, 0.3265

Rectangle

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



24.4594, 0.2678, 0.2617



24.4594, 0.3342, 0.2856



24.4594, 0.3557, 0.4037



24.4594, 0.2881, 0.3791

Sweetspot

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



24.4604, 0.2678, 0.2617



65.5201, 0.3004, 0.3108



38.1460, 0.2781, 0.3373



14.1325, 0.2980, 0.3073



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.4604, 0.2678, 0.2617



38.3023, 0.2569, 0.2449



24.6482, 0.2850, 0.2571



7.8892, 0.2986, 0.3081



2.5869, 0.1525, 0.0689



0.1146, 0.1619, 0.1027

Inverse Universe

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



26.2492, 0.3633, 0.3218



42.1520, 0.3782, 0.3201



39.3986, 0.3353, 0.3987



8.0287, 0.3270, 0.3266



6.5642, 0.6251, 0.3217



0.1869, 0.5718, 0.2923

Previews

White Background



This preview shows how the Yxy color 24.4594, 0.2678, 0.2617 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 24.4594, 0.2678, 0.2617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

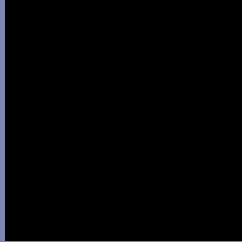
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

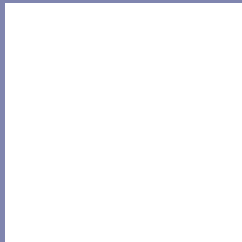
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4594, 0.2678, 0.2617

Background



This preview shows how black text looks on a background with the Yxy color 24.4594, 0.2678, 0.2617.



This preview shows how white text looks on a background with the Yxy color 24.4594, 0.2678, 0.2617.

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

24.4594, 0.2678, 0.2617

Protanopia

24.4699, 0.2635, 0.2613

Deuteranopia

24.4594, 0.2678, 0.2617



Tritanopia

24.5578, 0.2863, 0.3100

Trichromacy



Original Color

24.4594, 0.2678, 0.2617

Protanomaly

24.5448, 0.2644, 0.2615

Deuteranomaly

24.4594, 0.2678, 0.2617

Tritanomaly

24.4369, 0.2800, 0.2920

Monochromacy



Original Color

24.4594, 0.2678, 0.2617

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.5165, 0.2955, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4594, 0.2678, 0.2617 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(128, 133, 175)` looks like.

```
.text, #text, p{  
    color:rgb(128, 133, 175)  
}
```

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(128, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 133, 175) }
```

Border

The CSS property to change the border of an element to Yxy 24.4594, 0.2678, 0.2617 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(128, 133, 175) }
```

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

```
.border{ border-color:rgb(128, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(128, 133,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4594, 0.2678, 0.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 133, 175) }
```

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

```
.background{ background-color: rgb(128,  
133, 175) }
```

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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