

Converting Colors

$Y_{xy}(25.0122, 0.2571, 0.2913)$

Have a look what the booklet for
Yxy(25.0122, 0.2571, 0.2913)
contains.

Yxy(24.9694, 0.2573, 0.2909)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9694, 0.2573, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	688EA4
RGB	104, 142, 164
RGB Percent	41%, 56%, 64%
CMY	0.5920, 0.4431, 0.3568
CMYK	0.37, 0.13, 0.00, 0.36
HSL	202°, 25%, 53%
HSV	202°, 37%, 64%
XYZ	22.0853, 24.9694, 38.7803
YIQ	133.1460, -29.7100, -1.2140

Conversions

Conversions Part 2

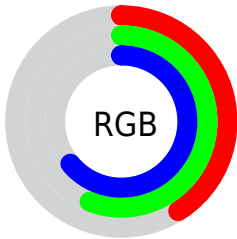
Format	Color
RYB	104, 127, 164
Decimal	6852260
CIELab	57.05, -7.46, -15.83
CIElCh	57, 17.498, 244.764
Yxy	24.9694, 0.2573, 0.2909
Android (android.graphics.Color)	4285042340 (0xFF688EA4)
YUV	133.1460, 15.2110, -25.5610
Hunter-Lab	49.9694, -8.5535, -11.0352

Details

The Yxy color **24.9694, 0.2573, 0.2909** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.8246, 0.3861, 0.3639**, and the grayscale version is **23.4655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7624, 0.2688, 0.2996**, and **9.5810, 0.2379, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **22.3394, 0.2429, 0.2784**, and if you desaturate by 10%, it is **27.8889, 0.2723, 0.3026**.

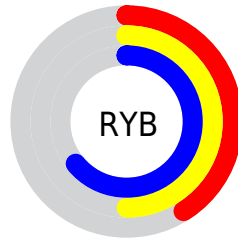
Distribution



Red (41%)

Green (56%)

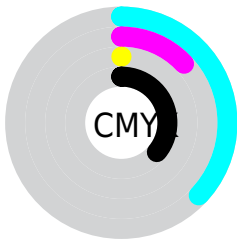
Blue (64%)



Red (41%)

Yellow (50%)

Blue (64%)

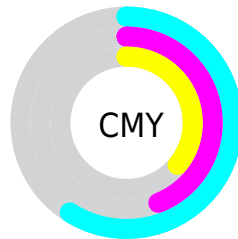


Cyan (37%)

Magenta (13%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (44%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9694, 0.2573, 0.2909 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 24.9694, 0.2573, 0.2909 by changing the saturation by 10% instead.

■ 24.9694, 0.2573,
0.2909

■ 24.9694, 0.2573,
0.2909

277.6855, 0.2873,
0.3121

■ 16.0543, 0.2490,
0.2848

■ 51.6076, 0.2688,
0.2992

■ 9.5626, 0.2378,
0.2764

■ 70.0994, 0.2729,
0.3021

■ 5.1099, 0.2220,
0.2642

■ 92.5522, 0.2764,
0.3045

■ 2.3119, 0.1982,
0.2451

■ 119.3505, 0.2792,
0.3066

■ 0.7800, 0.1522,
0.2123

150.8786, 0.2817,
0.3083

■ 0.0000, 0.0000,
0.0000

187.5208, 0.2838,

0.3097

229.6617, 0.2857,
0.3110

■ 24.9694, 0.2573,
0.2909

■ 24.9694, 0.2573,
0.2909

■ 22.3394, 0.2429,
0.2784

■ 27.8889, 0.2723,
0.3026

■ 19.9834, 0.2295,
0.2652

■ 31.1068, 0.2876,
0.3133

■ 17.8886, 0.2175,
0.2515

■ 34.6349, 0.3028,
0.3231

■ 16.0396, 0.2072,
0.2376

■ 38.4835, 0.3178,
0.3319

■ 14.4188, 0.1988,
0.2237

■ 42.6624, 0.3324,
0.3398

■ 13.0016, 0.1924,
0.2100

■ 47.1809, 0.3463,
0.3468

■ 12.5456, 0.1904,
0.2053

■ 52.0478, 0.3596,
0.3530

■ 57.2717, 0.3722,
0.3584

■ 62.8608, 0.3841,
0.3631

Harmonies

Analogous

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



24.9694, 0.2586, 0.3130



24.9694, 0.2573, 0.2909



24.9694, 0.2699, 0.2801

Triad

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



24.9694, 0.2573, 0.2909



24.9694, 0.3526, 0.3156



24.9694, 0.3294, 0.3817

Complementary

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



24.9694, 0.2573, 0.2909



23.8246, 0.3861, 0.3639

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.



24.9694, 0.3559, 0.3797



24.9694, 0.2573, 0.2909



24.9694, 0.3700, 0.3405

Square

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



24.9694, 0.2573, 0.2909



24.9694, 0.3243, 0.2945



24.9694, 0.3711, 0.3640



24.9694, 0.2993, 0.3675

Rectangle

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



24.9694, 0.2573, 0.2909



24.9694, 0.2850, 0.2798



24.9694, 0.3711, 0.3640



24.9694, 0.3390, 0.3828

Sweetspot

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



24.9704, 0.2573, 0.2909



59.8228, 0.2958, 0.3187



31.0049, 0.2907, 0.3960



12.9010, 0.2938, 0.3174



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



24.9704, 0.2573, 0.2909



41.3421, 0.2454, 0.2806



17.2191, 0.2497, 0.2361



7.5721, 0.2987, 0.3206



9.7116, 0.1907, 0.2066



0.2895, 0.2045, 0.2561

Inverse Universe

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



19.7523, 0.3446, 0.2707



31.0273, 0.3545, 0.2576



32.6734, 0.3702, 0.4073



7.1579, 0.3191, 0.3149



6.8245, 0.4379, 0.2186



0.1520, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 24.9694, 0.2573, 0.2909 looks on a white background.

Color Contrast Check

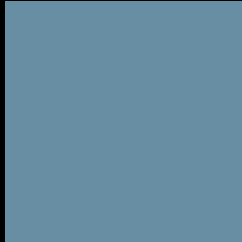
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9694, 0.2573, 0.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

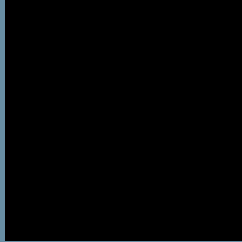
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

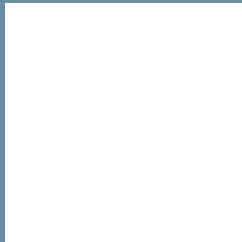
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9694, 0.2573, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 24.9694, 0.2573, 0.2909.



This preview shows how white text looks on a background with the Yxy color 24.9694, 0.2573, 0.2909.

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

24.9694, 0.2573, 0.2909

Protanopia

24.7715, 0.2850, 0.2879

Deuteranopia

24.9543, 0.2825, 0.2776



Tritanopia

25.1379, 0.2630, 0.3094

Trichromacy



Original Color

24.9694, 0.2573, 0.2909

Protanomaly

24.8877, 0.2747, 0.2904

Deuteranomaly

24.8930, 0.2730, 0.2826

Tritanomaly

24.9971, 0.2613, 0.3026

Monochromacy



Original Color

24.9694, 0.2573, 0.2909

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.7595, 0.2898, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9694, 0.2573, 0.2909 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(104, 142, 164)` looks like.

```
.text, #text, p{  
    color:rgb(104, 142, 164)  
}
```

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(104, 142, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 142, 164) }
```

Border

The CSS property to change the border of an element to Yxy 24.9694, 0.2573, 0.2909 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(104, 142, 164) }
```

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

```
.border{ border-color:rgb(104, 142, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 142, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 142, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 142, 164);  
box-shadow:4px 4px 4px 4px rgb(104, 142,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9694, 0.2573, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 142, 164) }
```

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

```
.background{ background-color: rgb(104,  
142, 164) }
```

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