

Converting Colors

$Y_{xy}(25.2032, 0.2566, 0.2801)$

Have a look what the booklet for
Yxy(25.2032, 0.2566, 0.2801)
contains.

Yxy(25.2032, 0.2566, 0.2801)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.2032, 0.2566, 0.2801)$

Conversions

Conversions Part 1

Format	Color
Hex	6D8DAA
RGB	109, 141, 170
RGB Percent	43%, 55%, 67%
CMY	0.5725, 0.4471, 0.3333
CMYK	0.36, 0.17, 0.00, 0.33
HSL	209°, 26%, 55%
HSV	209°, 36%, 67%
XYZ	23.0887, 25.2032, 41.6874
YIQ	134.7380, -28.3810, 2.2350

Conversions

Conversions Part 2

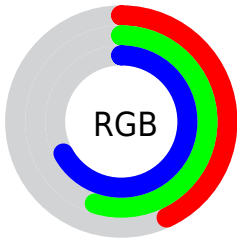
Format	Color
RYB	109, 130, 170
Decimal	7179690
CIELab	57.27, -3.85, -18.89
CIELCh	57, 19.283, 258.472
Yxy	25.2032, 0.2566, 0.2801
Android (android.graphics.Color)	4285369770 (0xFF6D8DAA)
YUV	134.7380, 17.3842, -22.5722
Hunter-Lab	50.2028, -5.7612, -14.0913

Details

The Yxy color **25.2032, 0.2566, 0.2801** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.8359, 0.3811, 0.3731**, and the grayscale version is **24.0696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1478, 0.2683, 0.2915**, and **9.6897, 0.2367, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **21.9299, 0.2410, 0.2636**, and if you desaturate by 10%, it is **28.8612, 0.2725, 0.2954**.

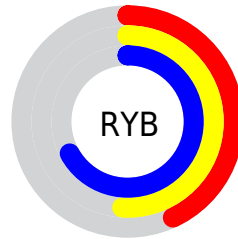
Distribution



Red (43%)

Green (55%)

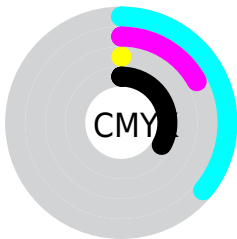
Blue (67%)



Red (43%)

Yellow (51%)

Blue (67%)

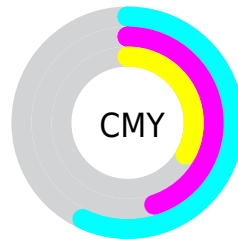


Cyan (36%)

Magenta (17%)

Yellow (0%)

Black (33%)



Cyan (57%)

Magenta (45%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2032, 0.2566, 0.2801 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 25.2032, 0.2566, 0.2801 by changing the saturation by 10% instead.

■ 25.2032, 0.2566,
0.2801

■ 25.2032, 0.2566,
0.2801

278.8484, 0.2870,
0.3069

■ 16.2285, 0.2482,
0.2726

■ 51.9867, 0.2682,
0.2905

■ 9.6860, 0.2370,
0.2623

■ 70.5643, 0.2724,
0.2942

■ 5.1913, 0.2212,
0.2478

■ 93.1116, 0.2759,
0.2972

■ 2.3599, 0.1976,
0.2255

■ 120.0131, 0.2788,
0.2998

■ 0.8052, 0.1570,
0.1884

151.6531, 0.2813,
0.3020

■ 0.0000, 0.0000,
0.0000

188.4161, 0.2834,

0.3039

230.6864, 0.2853,
0.3055

■ 25.2032, 0.2566,
0.2801

■ 25.2032, 0.2566,
0.2801

■ 21.9299, 0.2410,
0.2636

■ 28.8612, 0.2725,
0.2954

■ 19.0225, 0.2261,
0.2461

■ 32.9156, 0.2884,
0.3095

■ 16.4649, 0.2124,
0.2280

■ 37.3812, 0.3039,
0.3221

■ 14.2382, 0.2003,
0.2097

■ 42.2710, 0.3188,
0.3335

■ 12.3210, 0.1903,
0.1915

■ 47.5974, 0.3330,
0.3436

■ 10.6864, 0.1826,
0.1740

■ 53.3722, 0.3464,
0.3526

■ 10.0741, 0.1797,
0.1670

■ 59.6069, 0.3589,
0.3604

■ 66.3122, 0.3706,
0.3673

■ 72.1428, 0.3760,
0.3742

Harmonies

Analogous

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



25.2032, 0.2509, 0.2989



25.2032, 0.2566, 0.2801



25.2032, 0.2766, 0.2747

Triad

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



25.2032, 0.2566, 0.2801



25.2032, 0.3673, 0.3264



25.2032, 0.3157, 0.3822

Complementary

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



25.2032, 0.2566, 0.2801



27.8359, 0.3811, 0.3731

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.



25.2032, 0.3478, 0.3880



25.2032, 0.2566, 0.2801



25.2032, 0.3787, 0.3537

Square

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



25.2032, 0.2566, 0.2801



25.2032, 0.3405, 0.3009



25.2032, 0.3712, 0.3766



25.2032, 0.2839, 0.3594

Rectangle

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



25.2032, 0.2566, 0.2801



25.2032, 0.2960, 0.2785



25.2032, 0.3712, 0.3766



25.2032, 0.3268, 0.3862

Sweetspot

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



25.2042, 0.2566, 0.2801



63.4101, 0.2957, 0.3156



33.8282, 0.2864, 0.3839



13.9063, 0.2937, 0.3139



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.



25.2042, 0.2566, 0.2801



40.9752, 0.2442, 0.2672



17.5314, 0.2494, 0.2271



7.9271, 0.2987, 0.3180



7.5212, 0.1802, 0.1688



0.2844, 0.1964, 0.2270

Inverse Universe

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



21.4093, 0.3525, 0.2810



33.6977, 0.3650, 0.2704



37.6525, 0.3665, 0.4139



7.6056, 0.3207, 0.3172



6.8303, 0.4821, 0.2430



0.1764, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 25.2032, 0.2566, 0.2801 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 25.2032, 0.2566, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

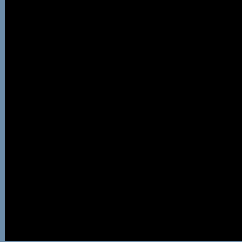
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

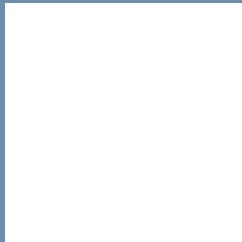
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.2032, 0.2566, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 25.2032, 0.2566, 0.2801.

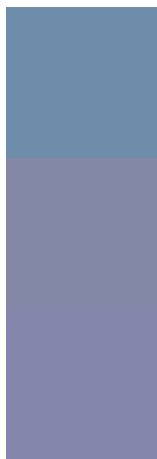


This preview shows how white text looks on a background with the Yxy color 25.2032, 0.2566, 0.2801.

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

25.2032, 0.2566, 0.2801

Protanopia

25.1073, 0.2778, 0.2802

Deuteranopia

24.9770, 0.2761, 0.2699



Tritanopia

25.3163, 0.2655, 0.3096

Trichromacy



Original Color

25.2032, 0.2566, 0.2801

Protanomaly

25.1046, 0.2697, 0.2810

Deuteranomaly

25.1167, 0.2681, 0.2736

Tritanomaly

25.2472, 0.2622, 0.2994

Monochromacy



Original Color

25.2032, 0.2566, 0.2801

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.4651, 0.2902, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2032, 0.2566, 0.2801 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(109, 141, 170)` looks like.

```
.text, #text, p{  
    color:rgb(109, 141, 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(109, 141, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 141, 170) }
```

Border

The CSS property to change the border of an element to Yxy 25.2032, 0.2566, 0.2801 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(109, 141, 170) }
```

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

```
.border{ border-color:rgb(109, 141, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 141, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 141, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 141, 170); box-shadow:4px 4px 4px 4px rgb(109, 141, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2032, 0.2566, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 141, 170) }
```

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

```
.background{ background-color: rgb(109,  
141, 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](#).

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