

Converting Colors

$Y_{xy}(25.7109, 0.2568, 0.2822)$

Have a look what the booklet for
Yxy(25.7109, 0.2568, 0.2822)
contains.

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Color

Yxy(25.7984, 0.2571, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	6D8FAA
RGB	109, 143, 170
RGB Percent	43%, 56%, 67%
CMY	0.5724, 0.4392, 0.3333
CMYK	0.36, 0.16, 0.00, 0.33
HSL	207°, 26%, 55%
HSV	207°, 36%, 67%
XYZ	23.3878, 25.7984, 41.7814
YIQ	135.9120, -28.9310, 1.1890

Conversions

Conversions Part 2

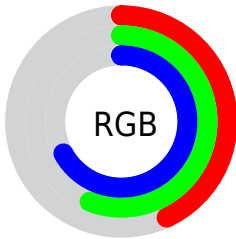
Format	Color
R_{YB}	109, 131, 170
Decimal	7180202
CIE _{Lab}	57.85, -4.98, -18.02
CIE _{LCh}	58, 18.691, 254.550
Yxy	25.7984, 0.2571, 0.2836
Android (android.graphics.Color)	4285370282 (0xFF6D8FAA)
YUV	135.9120, 16.8054, -23.6018
Hunter-Lab	50.7921, -6.6940, -13.2172

Details

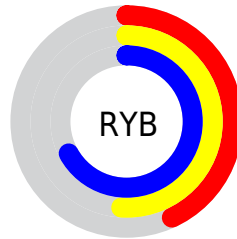
The Yxy color $25.7984, 0.2571, 0.2836$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $27.2717, 0.3821, 0.3701$, and the grayscale version is $24.5325, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.0501, 0.2686, 0.2940$, and $10.0362, 0.2377, 0.2671$ is the 20% darker color. If you saturate the color by 10%, you get $22.6374, 0.2418, 0.2683$, and if you desaturate by 10%, it is $29.3218, 0.2728, 0.2978$.

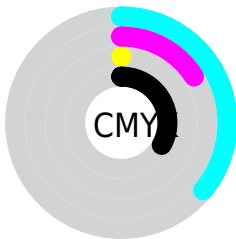
Distribution



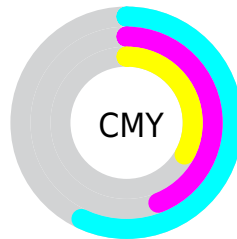
- Red (43%)
- Green (56%)
- Blue (67%)



- Red (43%)
- Yellow (51%)
- Blue (67%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



- Cyan (57%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7984, 0.2571, 0.2836 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 25.7984, 0.2571, 0.2836 by changing the saturation by 10% instead.

■ 25.7984, 0.2571,
0.2836

■ 25.7984, 0.2571,
0.2836

281.7910, 0.2871,
0.3085

■ 16.6729, 0.2489,
0.2766

■ 52.9495, 0.2685,
0.2932

■ 10.0015, 0.2379,
0.2671

■ 71.7439, 0.2727,
0.2967

■ 5.4000, 0.2224,
0.2535

■ 94.5301, 0.2761,
0.2995

■ 2.4838, 0.1993,
0.2327

■ 121.6924, 0.2790,
0.3019

■ 0.8685, 0.1605,
0.1980

153.6153, 0.2815,
0.3039

■ 0.0000, 0.0000,
0.0000

190.6831, 0.2836,

0.3057

233.2802, 0.2854,
0.3072

■ 25.7984, 0.2571,
0.2836

■ 25.7984, 0.2571,
0.2836

■ 22.6374, 0.2418,
0.2683

■ 29.3218, 0.2728,
0.2978

■ 19.8208, 0.2273,
0.2521

■ 33.2185, 0.2885,
0.3108

■ 17.3331, 0.2141,
0.2353

■ 37.5026, 0.3039,
0.3226

■ 15.1564, 0.2025,
0.2183

■ 42.1866, 0.3188,
0.3332

■ 13.2700, 0.1930,
0.2013

■ 47.2822, 0.3331,
0.3427

■ 11.6479, 0.1856,
0.1849

■ 52.8007, 0.3467,
0.3510

■ 11.0331, 0.1828,
0.1782

■ 58.7527, 0.3595,
0.3583

■ 65.1486, 0.3714,
0.3648

■ 70.6393, 0.3770,
0.3713

Harmonies

Analogous

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



25.7984, 0.2536, 0.3033



25.7984, 0.2571, 0.2836



25.7984, 0.2747, 0.2766

Triad

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



25.7984, 0.2571, 0.2836



25.7984, 0.3625, 0.3231



25.7984, 0.3198, 0.3818

Complementary

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



25.7984, 0.2571, 0.2836



27.2717, 0.3821, 0.3701

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.



25.7984, 0.3501, 0.3851



25.7984, 0.2571, 0.2836



25.7984, 0.3757, 0.3496

Square

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



25.7984, 0.2571, 0.2836



25.7984, 0.3354, 0.2991



25.7984, 0.3709, 0.3725



25.7984, 0.2887, 0.3618

Rectangle

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



25.7984, 0.2571, 0.2836



25.7984, 0.2927, 0.2792



25.7984, 0.3709, 0.3725



25.7984, 0.3305, 0.3849

Sweetspot

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



25.7994, 0.2571, 0.2836



63.8049, 0.2957, 0.3165



33.7680, 0.2879, 0.3875



14.0039, 0.2937, 0.3149



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.



25.7994, 0.2571, 0.2836



42.2144, 0.2450, 0.2716



17.9866, 0.2499, 0.2307



7.9675, 0.2987, 0.3188



8.2277, 0.1833, 0.1799



0.2997, 0.1985, 0.2344

Inverse Universe

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



21.4733, 0.3499, 0.2782



33.8228, 0.3615, 0.2670



36.9039, 0.3674, 0.4113



7.6096, 0.3202, 0.3165



6.9016, 0.4686, 0.2355



0.1780, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 25.7984, 0.2571, 0.2836 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 25.7984, 0.2571, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

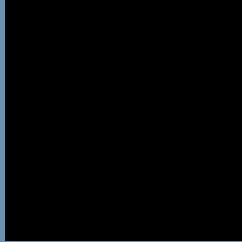
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

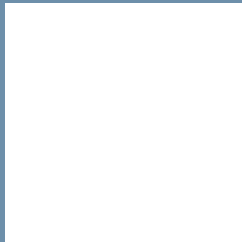
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.7984, 0.2571, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 25.7984, 0.2571, 0.2836.



This preview shows how white text looks on a background with the Yxy color 25.7984, 0.2571, 0.2836.

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

25.7984, 0.2571, 0.2836

Protanopia

25.5500, 0.2798, 0.2821

Deuteranopia

25.7378, 0.2774, 0.2721



Tritanopia

25.7493, 0.2650, 0.3080

Trichromacy



Original Color

25.7984, 0.2571, 0.2836

Protanomaly

25.5403, 0.2717, 0.2830

Deuteranomaly

25.8411, 0.2702, 0.2772

Tritanomaly

25.6810, 0.2617, 0.2980

Monochromacy



Original Color

25.7984, 0.2571, 0.2836

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.0390, 0.2903, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7984, 0.2571, 0.2836 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, 143, 170)` looks like.

```
.text, #text, p{  
    color:rgb(109, 143, 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, 143, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 143, 170) }
```

Border

The CSS property to change the border of an element to Yxy 25.7984, 0.2571, 0.2836 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, 143, 170) }
```

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

```
.border{ border-color:rgb(109, 143, 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, 143, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 143, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 143, 170);  
box-shadow:4px 4px 4px 4px rgb(109, 143,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7984, 0.2571, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 143, 170) }
```

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

```
.background{ background-color: rgb(109,  
143, 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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