

Converting Colors

$Y_{xy}(25.8741, 0.2423, 0.2130)$

Have a look what the booklet for
Yxy(25.8741, 0.2423, 0.2130)
contains.

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Color

Yxy(25.8620, 0.2422, 0.2124)

Conversions

Conversions Part 1

Format	Color
Hex	8383D5
RGB	131, 131, 213
RGB Percent	51%, 51%, 84%
CMY	0.4862, 0.4863, 0.1646
CMYK	0.39, 0.39, 0.00, 0.16
HSL	240°, 49%, 67%
HSV	240°, 39%, 84%
XYZ	29.4905, 25.8620, 66.4084
YIQ	140.3480, -26.3220, 25.5020

Conversions

Conversions Part 2

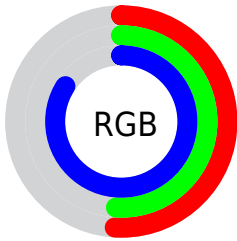
Format	Color
R_{YB}	131, 131, 213
Decimal	8618965
CIE _{Lab}	57.91, 19.93, -42.19
CIE _{LCh}	58, 46.659, 295.293
Yxy	25.8620, 0.2422, 0.2124
Android (android.graphics.Color)	4286809045 (0xFF8383D5)
YUV	140.3480, 35.8174, -8.1982
Hunter-Lab	50.8547, 14.5159, -41.8253

Details

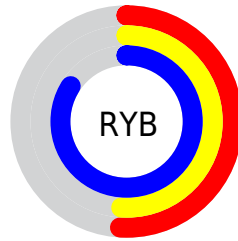
The Yxy color **25.8620, 0.2422, 0.2124** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.3909, 0.3701, 0.4240**, and the grayscale version is **26.2346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0658, 0.2658, 0.2486**, and **10.0810, 0.2188, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **19.1876, 0.2206, 0.1768**, and if you desaturate by 10%, it is **34.0642, 0.2630, 0.2469**.

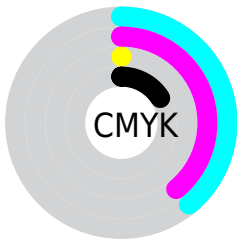
Distribution



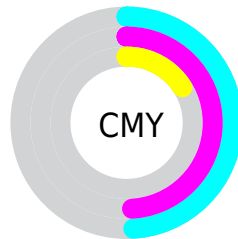
- Red (51%)
- Green (51%)
- Blue (84%)



- Red (51%)
- Yellow (51%)
- Blue (84%)



- Cyan (39%)
- Magenta (39%)
- Yellow (0%)
- Black (16%)





- Cyan (49%)
- Magenta (49%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8620, 0.2422, 0.2124 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 25.8620, 0.2422, 0.2124 by changing the saturation by 10% instead.


 25.8620, 0.2422,
0.2124


 25.8620, 0.2422,
0.2124


282.1040, 0.2803,
0.2713


 16.7204, 0.2320,
0.1980


 53.0522, 0.2566,
0.2337

 10.0354, 0.2187,
0.1798


 71.8697, 0.2618,
0.2418

 5.4224, 0.2007,
0.1564


 94.6812, 0.2662,
0.2486

 2.4972, 0.1754,
0.1258

121.8712, 0.2699,
0.2544

 0.8752, 0.1388,
0.0859

153.8241, 0.2731,
0.2595

 0.0000, 0.0633,
0.0000

190.9243, 0.2758,

 0.0000, 0.0000,

0.2639

0.0000

233.5561, 0.2782,
0.2678

■ 25.8620, 0.2422,
0.2124

■ 25.8620, 0.2422,
0.2124

■ 19.1876, 0.2206,
0.1768

■ 34.0642, 0.2630,
0.2469

■ 13.9440, 0.1996,
0.1420

■ 43.8775, 0.2823,
0.2787

■ 10.0274, 0.1808,
0.1109

■ 55.3826, 0.2996,
0.3074

■ 7.3192, 0.1658,
0.0860

■ 68.6539, 0.3149,
0.3325

■ 5.6794, 0.1557,
0.0694

■ 83.7614, 0.3281,
0.3544

■ 4.8954, 0.1506,
0.0610

■ 97.5857, 0.3375,
0.3700

■ 4.8059, 0.1500,
0.0600

Harmonies

Analogous

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



25.8620, 0.1956, 0.2134



25.8620, 0.2422, 0.2124



25.8620, 0.3139, 0.2348

Triad

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



25.8620, 0.2422, 0.2124



25.8620, 0.4684, 0.3875



25.8620, 0.2290, 0.3868

Complementary

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



25.8620, 0.2422, 0.2124



63.3909, 0.3701, 0.4240

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.



25.8620, 0.2958, 0.4573



25.8620, 0.2422, 0.2124



25.8620, 0.4351, 0.4417

Square

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



25.8620, 0.2422, 0.2124



25.8620, 0.4550, 0.3296



25.8620, 0.3713, 0.4742



25.8620, 0.1878, 0.3026

Rectangle

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



25.8620, 0.2422, 0.2124



25.8620, 0.3687, 0.2607



25.8620, 0.3713, 0.4742



25.8620, 0.2490, 0.4143

Sweetspot

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



25.8630, 0.2422, 0.2124



76.6588, 0.2936, 0.2974



57.2345, 0.2596, 0.3288



15.9147, 0.2913, 0.2937



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



25.8630, 0.2422, 0.2124



30.6906, 0.2250, 0.1840



29.8089, 0.2778, 0.2229



12.0088, 0.2981, 0.3049



2.9348, 0.1500, 0.0600



0.1771, 0.1500, 0.0600

Inverse Universe

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



35.1867, 0.3172, 0.2346



46.5695, 0.3180, 0.2167



58.0146, 0.3371, 0.4354



12.6327, 0.3138, 0.3060



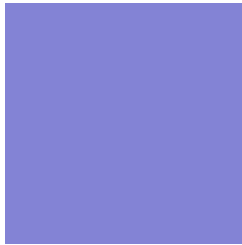
11.5744, 0.3210, 0.1542



0.6981, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 25.8620, 0.2422, 0.2124 looks on a white background.

Color Contrast Check

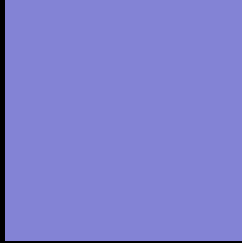
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8620, 0.2422, 0.2124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

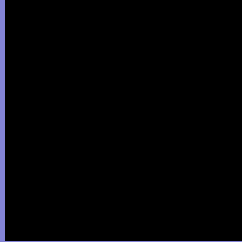
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8620, 0.2422, 0.2124

Background



This preview shows how black text looks on a background with the Yxy color 25.8620, 0.2422, 0.2124.



This preview shows how white text looks on a background with the Yxy color 25.8620, 0.2422, 0.2124.

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

25.8620, 0.2422, 0.2124

Protanopia

25.9215, 0.2247, 0.2098

Deuteranopia

25.8232, 0.2258, 0.2196



Tritanopia

25.7934, 0.2759, 0.3084

Trichromacy



Original Color

25.8620, 0.2422, 0.2124

Protanomaly

25.7900, 0.2307, 0.2105

Deuteranomaly

25.6588, 0.2311, 0.2157

Tritanomaly

25.7374, 0.2626, 0.2694

Monochromacy



Original Color

25.8620, 0.2422, 0.2124

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.9997, 0.2839, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8620, 0.2422, 0.2124 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(131, 131, 213)` looks like.

```
.text, #text, p{  
    color:rgb(131, 131, 213)  
}
```

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(131, 131, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 131, 213) }
```

Border

The CSS property to change the border of an element to Yxy 25.8620, 0.2422, 0.2124 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(131, 131, 213) }
```

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

```
.border{ border-color:rgb(131, 131, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 131, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 131, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 131, 213);  
box-shadow:4px 4px 4px 4px rgb(131, 131,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8620, 0.2422, 0.2124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 131, 213) }
```

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

```
.background{ background-color: rgb(131,  
131, 213) }
```

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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