

Converting Colors

$Y_{xy}(24.4702, 0.2455, 0.2076)$

Have a look what the booklet for
Yxy(24.4702, 0.2455, 0.2076)
contains.

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Color

Yxy(24.3887, 0.2454, 0.2078)

Conversions

Conversions Part 1

Format	Color
Hex	867DD2
RGB	134, 125, 210
RGB Percent	53%, 49%, 82%
CMY	0.4744, 0.5098, 0.1764
CMYK	0.36, 0.40, 0.00, 0.18
HSL	246°, 49%, 66%
HSV	246°, 40%, 82%
XYZ	28.8017, 24.3887, 64.1758
YIQ	137.3810, -21.9210, 28.3430

Conversions

Conversions Part 2

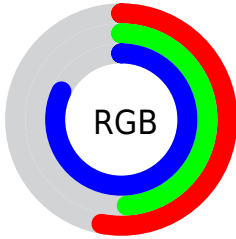
Format	Color
RYB	134, 125, 210
Decimal	8814034
CIELab	56.47, 23.45, -42.73
CIELCh	56, 48.741, 298.753
Yxy	24.3887, 0.2454, 0.2078
Android (android.graphics.Color)	4287004114 (0xFF867DD2)
YUV	137.3810, 35.8012, -2.9651
Hunter-Lab	49.3849, 17.6790, -42.4781

Details

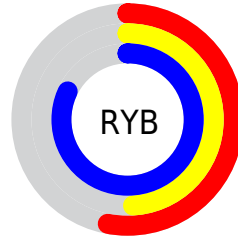
The Yxy color **24.3887, 0.2454, 0.2078** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.0016, 0.3654, 0.4312**, and the grayscale version is **25.0372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0079, 0.2673, 0.2421**, and **9.2409, 0.2219, 0.1736** is the 20% darker color. If you saturate the color by 10%, you get **18.2145, 0.2253, 0.1732**, and if you desaturate by 10%, it is **31.9627, 0.2647, 0.2416**.

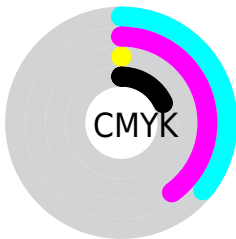
Distribution



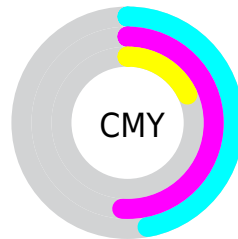
- Red (53%)
- Green (49%)
- Blue (82%)



- Red (53%)
- Yellow (49%)
- Blue (82%)



- Cyan (36%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)




- Cyan (47%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3887, 0.2454, 0.2078 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 24.3887, 0.2454, 0.2078 by changing the saturation by 10% instead.


 24.3887, 0.2454,
0.2078


 24.3887, 0.2454,
0.2078


274.7798, 0.2823,
0.2691


 15.6222, 0.2354,
0.1928


 50.6638, 0.2595,
0.2300

 9.2572, 0.2221,
0.1738


 68.9411, 0.2646,
0.2384

 4.9093, 0.2040,
0.1495


 91.1576, 0.2688,
0.2455

 2.1942, 0.1784,
0.1179

117.6975, 0.2724,
0.2515

 0.7168, 0.1408,
0.0762

148.9453, 0.2754,
0.2568

 0.0000, 0.0529,
0.0000

185.2853, 0.2780,

 0.0000, 0.0000,

0.2614

0.0000

227.1020, 0.2803,
0.2655

■ 24.3887, 0.2454,
0.2078

■ 24.3887, 0.2454,
0.2078

■ 18.2145, 0.2253,
0.1732

■ 31.9627, 0.2647,
0.2416

■ 13.3515, 0.2053,
0.1398

■ 41.0123, 0.2824,
0.2733

■ 9.7050, 0.1868,
0.1101

■ 51.6114, 0.2982,
0.3021

■ 7.1665, 0.1714,
0.0863

■ 63.8278, 0.3121,
0.3278

■ 5.6081, 0.1600,
0.0703

■ 77.7254, 0.3241,
0.3504

■ 4.8281, 0.1533,
0.0618

■ 93.3647, 0.3344,
0.3701

■ 97.4342, 0.3394,
0.3730

Harmonies

Analogous

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



24.3887, 0.1934, 0.2056



24.3887, 0.2454, 0.2078



24.3887, 0.3236, 0.2338

Triad

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



24.3887, 0.2454, 0.2078



24.3887, 0.4758, 0.3964



24.3887, 0.2171, 0.3798

Complementary

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



24.3887, 0.2454, 0.2078



60.0016, 0.3654, 0.4312

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.



24.3887, 0.2849, 0.4606



24.3887, 0.2454, 0.2078



24.3887, 0.4350, 0.4530

Square

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



24.3887, 0.2454, 0.2078



24.3887, 0.4685, 0.3356



24.3887, 0.3647, 0.4849



24.3887, 0.1780, 0.2911

Rectangle

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



24.3887, 0.2454, 0.2078



24.3887, 0.3820, 0.2622



24.3887, 0.3647, 0.4849



24.3887, 0.2370, 0.4105

Sweetspot

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



24.3896, 0.2454, 0.2078



77.1829, 0.2957, 0.2976



51.0293, 0.2556, 0.3173



16.0368, 0.2937, 0.2939



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.



24.3896, 0.2454, 0.2078



29.0659, 0.2272, 0.1764



28.5512, 0.2837, 0.2197



11.4769, 0.2998, 0.3051



2.9656, 0.1540, 0.0622



0.1866, 0.1652, 0.0684

Inverse Universe

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



32.5874, 0.3263, 0.2392



43.6338, 0.3300, 0.2208



54.9558, 0.3315, 0.4437



11.9865, 0.3154, 0.3085



10.5740, 0.3494, 0.1698



0.5976, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 24.3887, 0.2454, 0.2078 looks on a white background.

Color Contrast Check

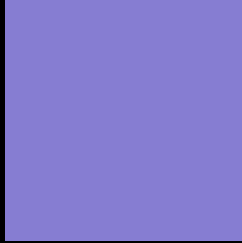
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3887, 0.2454, 0.2078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

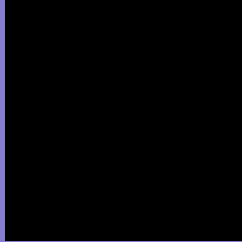
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3887, 0.2454, 0.2078

Background



This preview shows how black text looks on a background with the Yxy color 24.3887, 0.2454, 0.2078.



This preview shows how white text looks on a background with the Yxy color 24.3887, 0.2454, 0.2078.

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

24.3887, 0.2454, 0.2078

Protanopia

24.6684, 0.2205, 0.2053

Deuteranopia

24.5347, 0.2233, 0.2175



Tritanopia

24.3400, 0.2833, 0.3098

Trichromacy



Original Color

24.3887, 0.2454, 0.2078

Protanomaly

24.3977, 0.2286, 0.2061

Deuteranomaly

24.2808, 0.2303, 0.2126

Tritanomaly

24.0753, 0.2683, 0.2670

Monochromacy



Original Color

24.3887, 0.2454, 0.2078

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6896, 0.2853, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3887, 0.2454, 0.2078 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(134, 125, 210)` looks like.

```
.text, #text, p{  
    color:rgb(134, 125, 210)  
}
```

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(134, 125, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 125, 210) }
```

Border

The CSS property to change the border of an element to Yxy 24.3887, 0.2454, 0.2078 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(134, 125, 210) }
```

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

```
.border{ border-color:rgb(134, 125, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 125, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 125, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 125, 210);  
box-shadow:4px 4px 4px 4px rgb(134, 125,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3887, 0.2454, 0.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 125, 210) }
```

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

```
.background{ background-color: rgb(134,  
125, 210) }
```

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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