

Converting Colors

$Y_{xy}(24.5475, 0.2390, 0.2019)$

Have a look what the booklet for
Yxy(24.5475, 0.2390, 0.2019)
contains.

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Color

Yxy(24.7049, 0.2392, 0.2023)

Conversions

Conversions Part 1

Format	Color
Hex	837ED8
RGB	131, 126, 216
RGB Percent	51%, 49%, 85%
CMY	0.4865, 0.5058, 0.1529
CMYK	0.39, 0.42, 0.00, 0.15
HSL	243°, 54%, 67%
HSV	243°, 42%, 85%
XYZ	29.2111, 24.7049, 68.2041
YIQ	137.7550, -25.9100, 29.0500

Conversions

Conversions Part 2

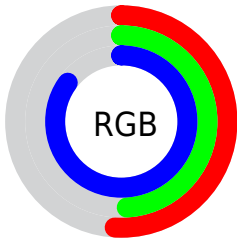
Format	Color
RYB	131, 126, 216
Decimal	8617688
CIELab	56.79, 23.69, -45.63
CIElCh	57, 51.412, 297.433
Yxy	24.7049, 0.2392, 0.2023
Android (android.graphics.Color)	4286807768 (0xFF837ED8)
YUV	137.7550, 38.5748, -5.9241
Hunter-Lab	49.7040, 17.9227, -46.5652

Details

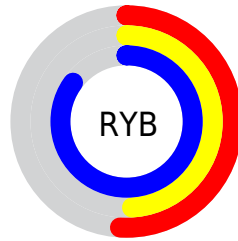
The Yxy color **24.7049, 0.2392, 0.2023** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.4864, 0.3706, 0.4329**, and the grayscale version is **25.1737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0250, 0.2653, 0.2428**, and **9.4175, 0.2140, 0.1670** is the 20% darker color. If you saturate the color by 10%, you get **18.2923, 0.2183, 0.1672**, and if you desaturate by 10%, it is **32.6331, 0.2595, 0.2368**.

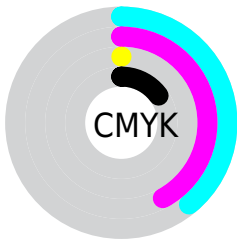
Distribution



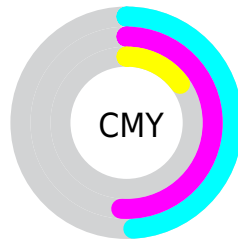
- Red (51%)
- Green (49%)
- Blue (85%)



- Red (51%)
- Yellow (49%)
- Blue (85%)



- Cyan (39%)
- Magenta (42%)
- Yellow (0%)
- Black (15%)





- Cyan (49%)
- Magenta (51%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7049, 0.2392, 0.2023 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 24.7049, 0.2392, 0.2023 by changing the saturation by 10% instead.


 24.7049, 0.2392,
0.2023


 24.7049, 0.2392,
0.2023


276.3651, 0.2792,
0.2659


 15.8573, 0.2285,
0.1869


 51.1781, 0.2543,
0.2252

 9.4233, 0.2145,
0.1677


 69.5725, 0.2599,
0.2339

 5.0183, 0.1956,
0.1432


 91.9180, 0.2644,
0.2412

 2.2580, 0.1692,
0.1119

118.5989, 0.2683,
0.2476

 0.7513, 0.1317,
0.0718

149.9997, 0.2716,
0.2531

 0.0000, 0.0538,
0.0000

186.5047, 0.2745,

 0.0000, 0.0000,

0.2579

0.0000

228.4984, 0.2770,
0.2621

■ 24.7049, 0.2392,
0.2023

■ 24.7049, 0.2392,
0.2023

■ 18.2923, 0.2183,
0.1672

■ 32.6331, 0.2595,
0.2368

■ 13.2961, 0.1980,
0.1336

■ 42.1623, 0.2784,
0.2693

■ 9.6098, 0.1799,
0.1043

■ 53.3746, 0.2954,
0.2988

■ 7.1101, 0.1655,
0.0816

■ 66.3457, 0.3104,
0.3250

■ 5.6508, 0.1559,
0.0672

■ 81.1468, 0.3234,
0.3479

■ 5.0357, 0.1514,
0.0608

■ 97.4461, 0.3347,
0.3672

■ 97.7386, 0.3357,
0.3671

Harmonies

Analogous

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



24.7049, 0.1868, 0.2009



24.7049, 0.2392, 0.2023



24.7049, 0.3198, 0.2283

Triad

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



24.7049, 0.2392, 0.2023



24.7049, 0.4840, 0.3952



24.7049, 0.2150, 0.3867

Complementary

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



24.7049, 0.2392, 0.2023



64.4864, 0.3706, 0.4329

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.



24.7049, 0.2865, 0.4708



24.7049, 0.2392, 0.2023



24.7049, 0.4424, 0.4554

Square

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



24.7049, 0.2392, 0.2023



24.7049, 0.4746, 0.3323



24.7049, 0.3697, 0.4922



24.7049, 0.1733, 0.2922

Rectangle

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



24.7049, 0.2392, 0.2023



24.7049, 0.3813, 0.2571



24.7049, 0.3697, 0.4922



24.7049, 0.2361, 0.4191

Sweetspot

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



24.7058, 0.2392, 0.2023



76.9280, 0.2947, 0.2975



56.2401, 0.2551, 0.3229



15.9774, 0.2926, 0.2938



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.



24.7058, 0.2392, 0.2023



27.6372, 0.2208, 0.1713



29.0580, 0.2783, 0.2147



12.0409, 0.2990, 0.3049



2.9950, 0.1518, 0.0610



0.1923, 0.1576, 0.0642

Inverse Universe

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



34.2339, 0.3222, 0.2320



43.3459, 0.3245, 0.2136



58.7887, 0.3353, 0.4463



12.6204, 0.3146, 0.3073



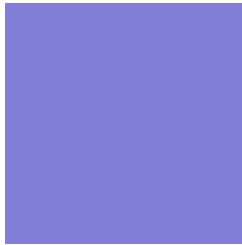
11.2312, 0.3351, 0.1619



0.6811, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 24.7049, 0.2392, 0.2023 looks on a white background.

Color Contrast Check

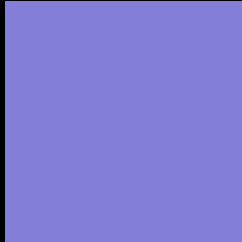
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7049, 0.2392, 0.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

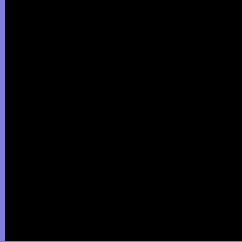
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7049, 0.2392, 0.2023

Background



This preview shows how black text looks on a background with the Yxy color 24.7049, 0.2392, 0.2023.



This preview shows how white text looks on a background with the Yxy color 24.7049, 0.2392, 0.2023.

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

24.7049, 0.2392, 0.2023

Protanopia

24.7583, 0.2163, 0.1996

Deuteranopia

24.8430, 0.2176, 0.2115



Tritanopia

24.6354, 0.2770, 0.3097

Trichromacy



Original Color

24.7049, 0.2392, 0.2023

Protanomaly

24.5121, 0.2233, 0.1993

Deuteranomaly

24.5346, 0.2239, 0.2066

Tritanomaly

24.4880, 0.2618, 0.2639

Monochromacy



Original Color

24.7049, 0.2392, 0.2023

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.9543, 0.2825, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7049, 0.2392, 0.2023 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, 126, 216)` looks like.

```
.text, #text, p{  
    color:rgb(131, 126, 216)  
}
```

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, 126, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 126, 216) }
```

Border

The CSS property to change the border of an element to Yxy 24.7049, 0.2392, 0.2023 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, 126, 216) }
```

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

```
.border{ border-color:rgb(131, 126, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 126, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 126, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 126, 216);  
box-shadow:4px 4px 4px 4px rgb(131, 126,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7049, 0.2392, 0.2023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 126, 216) }
```

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

```
.background{ background-color: rgb(131,  
126, 216) }
```

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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