

Converting Colors

$Y_{xy}(24.4341, 0.2524, 0.2267)$

Have a look what the booklet for
Yxy(24.4341, 0.2524, 0.2267)
contains.

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Color

Yxy(24.5570, 0.2527, 0.2274)

Conversions

Conversions Part 1

Format	Color
Hex	8381C5
RGB	131, 129, 197
RGB Percent	51%, 51%, 77%
CMY	0.4863, 0.4941, 0.2273
CMYK	0.34, 0.35, 0.00, 0.23
HSL	242°, 37%, 64%
HSV	242°, 35%, 77%
XYZ	27.2892, 24.5570, 56.1442
YIQ	137.3500, -20.6360, 21.5720

Conversions

Conversions Part 2

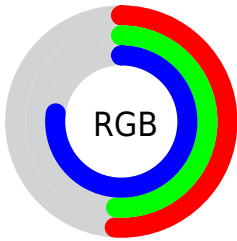
Format	Color
R _Y B	131, 129, 197
Decimal	8618437
CIE Lab	56.64, 16.74, -35.13
CIE LCh	57, 38.921, 295.482
Yxy	24.5570, 0.2527, 0.2274
Android (android.graphics.Color)	4286808517 (0xFF8381C5)
YUV	137.3500, 29.4075, -5.5689
Hunter-Lab	49.5550, 11.5758, -32.4851

Details

The Yxy color **24.5570, 0.2527, 0.2274** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.1412, 0.3624, 0.4146**, and the grayscale version is **25.0478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0508, 0.2655, 0.2470**, and **9.3828, 0.2319, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **18.4692, 0.2318, 0.1925**, and if you desaturate by 10%, it is **31.9294, 0.2724, 0.2605**.

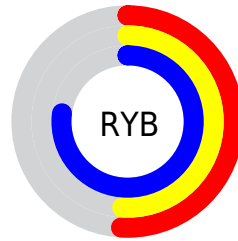
Distribution



Red (51%)

Green (51%)

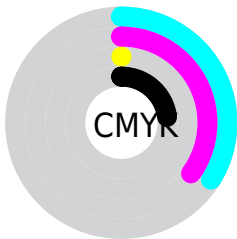
Blue (77%)



Red (51%)

Yellow (51%)

Blue (77%)

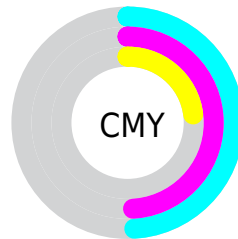


Cyan (34%)

Magenta (35%)

Yellow (0%)

Black (23%)



Cyan (49%)

Magenta (49%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5570, 0.2527, 0.2274 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 24.5570, 0.2527, 0.2274 by changing the saturation by 10% instead.

■ 24.5570, 0.2527,
0.2274

■ 24.5570, 0.2527,
0.2274

■ 275.6245, 0.2856,
0.2800

■ 15.7473, 0.2436,
0.2140

■ 50.9376, 0.2653,
0.2468

■ 9.3455, 0.2315,
0.1967

■ 69.2774, 0.2699,
0.2540

■ 4.9672, 0.2147,
0.1739

■ 91.5626, 0.2736,
0.2601

■ 2.2281, 0.1903,
0.1429

■ 118.1777, 0.2768,
0.2652

■ 0.7352, 0.1531,
0.0990

■ 149.5070, 0.2795,
0.2697

■ 0.0000, 0.0216,
0.0000

■ 185.9350, 0.2818,

■ 0.0000, 0.0000,

0.2736

0.0000

227.8460, 0.2839,
0.2770

■ 24.5570, 0.2527,
0.2274

■ 24.5570, 0.2527,
0.2274

■ 18.4692, 0.2318,
0.1925

■ 31.9294, 0.2724,
0.2605

■ 13.5899, 0.2108,
0.1575

■ 40.6512, 0.2903,
0.2908

■ 9.8395, 0.1910,
0.1248

■ 50.7858, 0.3062,
0.3179

■ 7.1274, 0.1740,
0.0970

■ 62.3923, 0.3201,
0.3416

■ 5.3493, 0.1611,
0.0765

■ 75.5260, 0.3321,
0.3621

■ 4.3791, 0.1533,
0.0645

■ 90.2396, 0.3424,
0.3799

■ 4.0698, 0.1508,
0.0605

■ 96.8127, 0.3472,
0.3860

Harmonies

Analogous

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



24.5570, 0.2112, 0.2289



24.5570, 0.2527, 0.2274



24.5570, 0.3148, 0.2472

Triad

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



24.5570, 0.2527, 0.2274



24.5570, 0.4460, 0.3825



24.5570, 0.2412, 0.3774

Complementary

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



24.5570, 0.2527, 0.2274



53.1412, 0.3624, 0.4146

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.



24.5570, 0.2993, 0.4355



24.5570, 0.2527, 0.2274



24.5570, 0.4188, 0.4280

Square

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



24.5570, 0.2527, 0.2274



24.5570, 0.4336, 0.3316



24.5570, 0.3645, 0.4522



24.5570, 0.2045, 0.3075

Rectangle

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



24.5570, 0.2527, 0.2274



24.5570, 0.3612, 0.2703



24.5570, 0.3645, 0.4522



24.5570, 0.2587, 0.3999

Sweetspot

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



24.5579, 0.2527, 0.2274



80.3989, 0.2975, 0.3031



48.1343, 0.2642, 0.3273



16.6652, 0.2952, 0.2991



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.



24.5579, 0.2527, 0.2274



35.9972, 0.2380, 0.2027



27.6425, 0.2836, 0.2356



10.3020, 0.2987, 0.3051



2.6822, 0.1510, 0.0606



0.1323, 0.1547, 0.0626

Inverse Universe

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



31.5183, 0.3186, 0.2465



50.2420, 0.3200, 0.2304



49.2016, 0.3339, 0.4233



10.8111, 0.3142, 0.3069



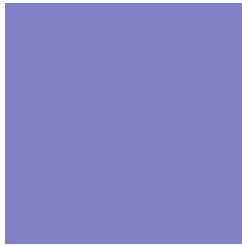
10.2917, 0.3283, 0.1582



0.4890, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 24.5570, 0.2527, 0.2274 looks on a white background.

Color Contrast Check

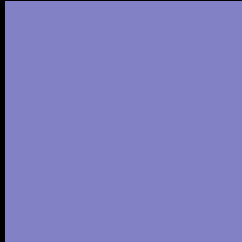
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5570, 0.2527, 0.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

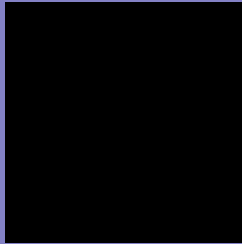
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5570, 0.2527, 0.2274

Background



This preview shows how black text looks on a background with the Yxy color 24.5570, 0.2527, 0.2274.



This preview shows how white text looks on a background with the Yxy color 24.5570, 0.2527, 0.2274.

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

24.5570, 0.2527, 0.2274

Protanopia

24.7780, 0.2367, 0.2266

Deuteranopia

24.7582, 0.2394, 0.2341



Tritanopia

24.7322, 0.2835, 0.3100

Trichromacy



Original Color

24.5570, 0.2527, 0.2274

Protanomaly

24.6657, 0.2422, 0.2261

Deuteranomaly

24.6825, 0.2443, 0.2323

Tritanomaly

24.4779, 0.2720, 0.2763

Monochromacy



Original Color

24.5570, 0.2527, 0.2274

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7043, 0.2889, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5570, 0.2527, 0.2274 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, 129, 197)` looks like.

```
.text, #text, p{  
    color:rgb(131, 129, 197)  
}
```

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, 129, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 129, 197) }
```

Border

The CSS property to change the border of an element to Yxy 24.5570, 0.2527, 0.2274 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, 129, 197) }
```

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

```
.border{ border-color:rgb(131, 129, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 129, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 129, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 129, 197);  
box-shadow:4px 4px 4px 4px rgb(131, 129,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5570, 0.2527, 0.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 129, 197) }
```

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

```
.background{ background-color: rgb(131,  
129, 197) }
```

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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