

Converting Colors

$Y_{xy}(21.9746, 0.2585, 0.2103)$

Have a look what the booklet for
Yxy(21.9746, 0.2585, 0.2103)
contains.

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Color

Yxy(22.0974, 0.2587, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	8C74C5
RGB	140, 116, 197
RGB Percent	55%, 45%, 77%
CMY	0.4511, 0.5450, 0.2275
CMYK	0.29, 0.41, 0.00, 0.23
HSL	258°, 41%, 61%
HSV	258°, 41%, 77%
XYZ	27.1315, 22.0974, 55.6473
YIQ	132.4100, -11.6970, 30.2790

Conversions

Conversions Part 2

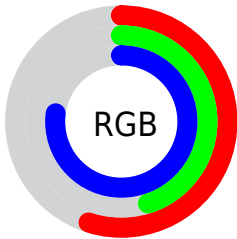
Format	Color
RYB	140, 116, 197
Decimal	9204933
CIELab	54.13, 26.93, -38.99
CIELCh	54, 47.386, 304.634
Yxy	22.0974, 0.2587, 0.2107
Android (android.graphics.Color)	4287395013 (0xFF8C74C5)
YUV	132.4100, 31.8429, 6.6564
Hunter-Lab	47.0079, 20.7608, -37.2812

Details

The Yxy color **22.0974, 0.2587, 0.2107** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.0751, 0.3525, 0.4373**, and the grayscale version is **23.1154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7631, 0.2705, 0.2326**, and **8.0237, 0.2375, 0.1749** is the 20% darker color. If you saturate the color by 10%, you get **16.8975, 0.2419, 0.1785**, and if you desaturate by 10%, it is **28.4138, 0.2743, 0.2425**.

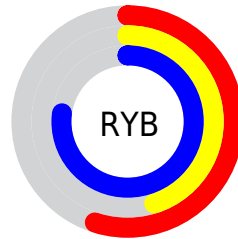
Distribution



Red (55%)

Green (45%)

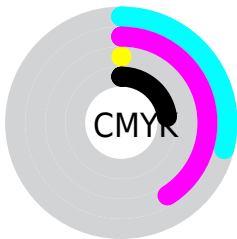
Blue (77%)



Red (55%)

Yellow (45%)

Blue (77%)

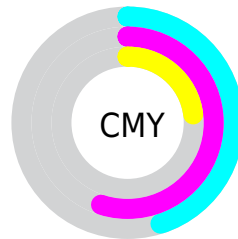


Cyan (29%)

Magenta (41%)

Yellow (0%)

Black (23%)



Cyan (45%)


Magenta (55%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0974, 0.2587, 0.2107 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 22.0974, 0.2587, 0.2107 by changing the saturation by 10% instead.


 22.0974, 0.2587,
0.2107


 22.0974, 0.2587,
0.2107


263.0545, 0.2894,
0.2714

 13.9285, 0.2499,
0.1955


 46.9069, 0.2707,
0.2329

 8.0709, 0.2381,
0.1761


 64.3163, 0.2749,
0.2412

 4.1404, 0.2213,
0.1509


 85.5747, 0.2784,
0.2482

 1.7524, 0.1965,
0.1175

 111.0664, 0.2813,
0.2542

 0.4572, 0.1591,
0.0651

141.1758, 0.2838,
0.2594

 0.0000, 0.0160,
0.0000

176.2874, 0.2859,

 0.0000, 0.0000,

0.2639

0.0000

216.7855, 0.2878,
0.2679

■ 22.0974, 0.2587,
0.2107

■ 22.0974, 0.2587,
0.2107

■ 16.8975, 0.2419,
0.1785

■ 28.4138, 0.2743,
0.2425

■ 12.7446, 0.2247,
0.1475

■ 35.9055, 0.2884,
0.2728

■ 9.5649, 0.2077,
0.1196

■ 44.6301, 0.3008,
0.3009

■ 7.2741, 0.1921,
0.0968

■ 54.6408, 0.3116,
0.3264

■ 5.7720, 0.1788,
0.0803

■ 65.9873, 0.3209,
0.3492

■ 4.9371, 0.1693,
0.0706

■ 78.7170, 0.3288,
0.3694

■ 92.8748, 0.3354,
0.3873

■ 96.0508, 0.3445,
0.3865

■ 96.8104, 0.3472,
0.3860

Harmonies

Analogous

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



22.0974, 0.2008, 0.2035



22.0974, 0.2587, 0.2107



22.0974, 0.3409, 0.2410

Triad

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



22.0974, 0.2587, 0.2107



22.0974, 0.4718, 0.4084



22.0974, 0.2064, 0.3615

Complementary

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



22.0974, 0.2587, 0.2107



50.0751, 0.3525, 0.4373

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.



22.0974, 0.2697, 0.4487



22.0974, 0.2587, 0.2107



22.0974, 0.4233, 0.4627

Square

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



22.0974, 0.2587, 0.2107



22.0974, 0.4751, 0.3473



22.0974, 0.3492, 0.4861



22.0974, 0.1736, 0.2764

Rectangle

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



22.0974, 0.2587, 0.2107



22.0974, 0.3989, 0.2716



22.0974, 0.3492, 0.4861



22.0974, 0.2245, 0.3930

Sweetspot

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



22.0983, 0.2587, 0.2107



78.1456, 0.2996, 0.2980



38.0338, 0.2515, 0.2951



16.2618, 0.2980, 0.2944



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.



22.0983, 0.2587, 0.2107



31.4133, 0.2443, 0.1828



26.1627, 0.2988, 0.2232



10.4369, 0.3028, 0.3054



3.2860, 0.1705, 0.0713



0.1937, 0.1940, 0.0843

Inverse Universe

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



27.3827, 0.3438, 0.2557



42.3035, 0.3527, 0.2411



46.2183, 0.3198, 0.4495



10.7611, 0.3182, 0.3129



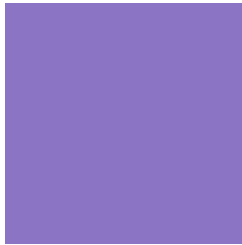
9.0443, 0.4119, 0.2043



0.4405, 0.3887, 0.1915

Previews

White Background



This preview shows how the Yxy color 22.0974, 0.2587, 0.2107 looks on a white background.

Color Contrast Check

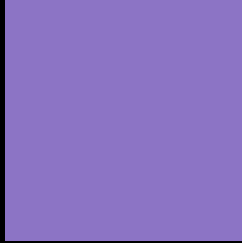
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0974, 0.2587, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

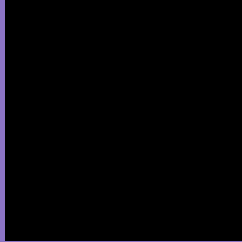
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0974, 0.2587, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 22.0974, 0.2587, 0.2107.



This preview shows how white text looks on a background with the Yxy color 22.0974, 0.2587, 0.2107.

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

22.0974, 0.2587, 0.2107

Protanopia

22.2876, 0.2219, 0.2071

Deuteranopia

22.3049, 0.2301, 0.2246



Tritanopia

22.2317, 0.3021, 0.3115

Trichromacy



Original Color

22.0974, 0.2587, 0.2107

Protanomaly

22.0551, 0.2333, 0.2075

Deuteranomaly

22.0003, 0.2395, 0.2184

Tritanomaly

21.9399, 0.2852, 0.2694

Monochromacy



Original Color

22.0974, 0.2587, 0.2107

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.4729, 0.2914, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0974, 0.2587, 0.2107 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(140, 116, 197)` looks like.

```
.text, #text, p{  
    color:rgb(140, 116, 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(140, 116, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 116, 197) }
```

Border

The CSS property to change the border of an element to Yxy 22.0974, 0.2587, 0.2107 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(140, 116, 197) }
```

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

```
.border{ border-color:rgb(140, 116, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 116, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 116, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 116, 197);  
box-shadow:4px 4px 4px 4px rgb(140, 116,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0974, 0.2587, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 116, 197) }
```

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

```
.background{ background-color: rgb(140,  
116, 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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