

Converting Colors

$Y_{xy}(21.5974, 0.2926, 0.2178)$

Have a look what the booklet for
Yxy(21.5974, 0.2926, 0.2178)
contains.

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Color

Yxy(21.5974, 0.2926, 0.2178)

Conversions

Conversions Part 1

Format	Color
Hex	A36AB9
RGB	163, 106, 185
RGB Percent	64%, 42%, 73%
CMY	0.3608, 0.5843, 0.2744
CMYK	0.12, 0.43, 0.00, 0.27
HSL	283°, 36%, 57%
HSV	283°, 43%, 73%
XYZ	29.0147, 21.5974, 48.5495
YIQ	132.0490, 8.6130, 36.6530

Conversions

Conversions Part 2

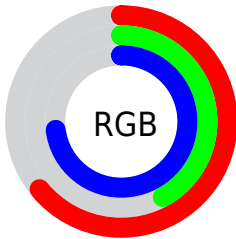
Format	Color
RYB	163, 106, 185
Decimal	10709689
CIELab	53.60, 36.68, -32.80
CIElCh	54, 49.202, 318.195
Yxy	21.5974, 0.2926, 0.2178
Android (android.graphics.Color)	4288899769 (0xFFA36AB9)
YUV	132.0490, 26.1048, 27.1440
Hunter-Lab	46.4730, 30.1159, -29.4081

Details

The Yxy color **21.5974, 0.2926, 0.2178** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **40.3397, 0.3239, 0.4527**, and the grayscale version is **22.9954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2072, 0.2982, 0.2397**, and **7.8093, 0.2824, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **17.6537, 0.2860, 0.1922**, and if you desaturate by 10%, it is **26.3878, 0.2985, 0.2445**.

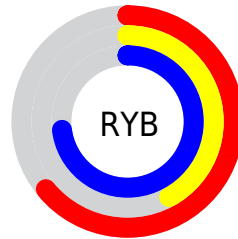
Distribution



Red (64%)

Green (42%)

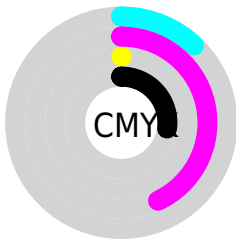
Blue (73%)



Red (64%)

Yellow (42%)

Blue (73%)

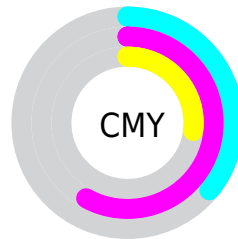


Cyan (12%)

Magenta (43%)

Yellow (0%)

Black (27%)



Cyan (36%)


Magenta (58%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5974, 0.2926, 0.2178 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 21.5974, 0.2926, 0.2178 by changing the saturation by 10% instead.


 21.5974, 0.2926,
0.2178


 21.5974, 0.2926,
0.2178


260.4365, 0.3054,
0.2749


 13.5614, 0.2884,
0.2033


 46.0797, 0.2980,
0.2388

 7.8162, 0.2824,
0.1848


 63.2947, 0.2998,
0.2466

 3.9776, 0.2733,
0.1603


 84.3382, 0.3012,
0.2532

 1.6610, 0.2582,
0.1273

 109.5946, 0.3023,
0.2588

 0.3982, 0.2344,
0.0690

139.4482, 0.3033,
0.2637

 0.0000, 0.1193,
0.0000

174.2835, 0.3041,

 0.0000, 0.0000,

0.2679

0.0000

214.4848, 0.3048,
0.2716

■ 21.5974, 0.2926,
0.2178

■ 21.5974, 0.2926,
0.2178

■ 17.6537, 0.2860,
0.1922

■ 26.3878, 0.2985,
0.2445

■ 14.5003, 0.2789,
0.1688

■ 32.0711, 0.3037,
0.2714

■ 12.0781, 0.2715,
0.1487


■ 38.6933, 0.3081,
0.2976


■ 10.3183, 0.2640,
0.1329

■ 46.2964, 0.3118,
0.3225


■ 9.1387, 0.2566,
0.1218

■ 54.9200, 0.3149,
0.3458

 8.5249, 0.2513,
0.1158

 64.6013, 0.3174,
0.3674

 75.3757, 0.3194,
0.3870

 87.2768, 0.3209,
0.4049

 88.6407, 0.3241,
0.4050

Harmonies

Analogous

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



21.5974, 0.2197, 0.1990



21.5974, 0.2926, 0.2178



21.5974, 0.3837, 0.2583

Triad

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



21.5974, 0.2926, 0.2178



21.5974, 0.4597, 0.4380



21.5974, 0.1824, 0.3190

Complementary

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



21.5974, 0.2926, 0.2178



40.3397, 0.3239, 0.4527

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.



21.5974, 0.2343, 0.4168



21.5974, 0.2926, 0.2178



21.5974, 0.3942, 0.4856

Square

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



21.5974, 0.2926, 0.2178



21.5974, 0.4874, 0.3756



21.5974, 0.3119, 0.4853



21.5974, 0.1640, 0.2442

Rectangle

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



21.5974, 0.2926, 0.2178



21.5974, 0.4388, 0.2940



21.5974, 0.3119, 0.4853



21.5974, 0.1960, 0.3509

Sweetspot

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



21.5983, 0.2926, 0.2178



68.6391, 0.3079, 0.2963



22.1097, 0.2402, 0.2363



14.2078, 0.3070, 0.2906



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.5983, 0.2926, 0.2178



32.1679, 0.2866, 0.1943



23.4498, 0.3374, 0.2455



9.0335, 0.3094, 0.3062



5.8412, 0.2522, 0.1163



0.2352, 0.2707, 0.1265

Inverse Universe

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



22.1860, 0.3905, 0.2980



33.5533, 0.4167, 0.2920



39.2044, 0.2953, 0.4307



9.0523, 0.3245, 0.3226



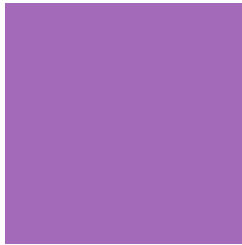
7.2003, 0.5804, 0.2971



0.2647, 0.5049, 0.2555

Previews

White Background



This preview shows how the Yxy color 21.5974, 0.2926, 0.2178 looks on a white background.

Color Contrast Check

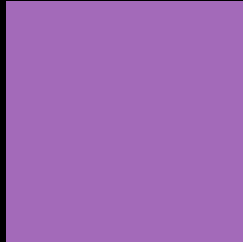
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5974, 0.2926, 0.2178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

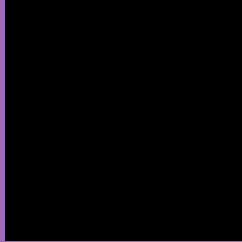
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5974, 0.2926, 0.2178

Background



This preview shows how black text looks on a background with the Yxy color 21.5974, 0.2926, 0.2178.



This preview shows how white text looks on a background with the Yxy color 21.5974, 0.2926, 0.2178.

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

21.5974, 0.2926, 0.2178

Protanopia

21.8953, 0.2245, 0.2102

Deuteranopia

21.8299, 0.2459, 0.2400



Tritanopia

21.6222, 0.3463, 0.3144

Trichromacy



Original Color

21.5974, 0.2926, 0.2178

Protanomaly

21.3901, 0.2444, 0.2114

Deuteranomaly

21.2382, 0.2607, 0.2298

Tritanomaly

21.3727, 0.3252, 0.2742

Monochromacy



Original Color

21.5974, 0.2926, 0.2178

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.2399, 0.3055, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5974, 0.2926, 0.2178 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(163, 106, 185)` looks like.

```
.text, #text, p{  
    color:rgb(163, 106, 185)  
}
```

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(163, 106, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 106, 185) }
```

Border

The CSS property to change the border of an element to Yxy 21.5974, 0.2926, 0.2178 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(163, 106, 185) }
```

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

```
.border{ border-color:rgb(163, 106, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 106, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 106, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 106, 185); box-shadow:4px 4px 4px 4px rgb(163, 106, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5974, 0.2926, 0.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 106, 185) }
```

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

```
.background{ background-color: rgb(163,  
106, 185) }
```

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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