

Converting Colors

$Y_{xy}(23.5440, 0.2724, 0.1910)$

Have a look what the booklet for
Yxy(23.5440, 0.2724, 0.1910)
contains.

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Color

Yxy(23.5981, 0.2722, 0.1908)

Conversions

Conversions Part 1

Format	Color
Hex	A96AD6
RGB	169, 106, 214
RGB Percent	66%, 42%, 84%
CMY	0.3370, 0.5844, 0.1607
CMYK	0.21, 0.50, 0.00, 0.16
HSL	275°, 57%, 63%
HSV	275°, 50%, 84%
XYZ	33.6656, 23.5981, 66.4160
YIQ	137.1490, 2.8800, 46.9440

Conversions

Conversions Part 2

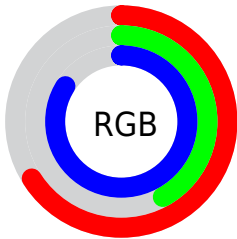
Format	Color
R _Y B	169, 106, 214
Decimal	11102934
CIE Lab	55.68, 44.79, -46.02
CIE LCh	56, 64.221, 314.221
Yxy	23.5981, 0.2722, 0.1908
Android (android.graphics.Color)	4289293014 (0xFFA96AD6)
YUV	137.1490, 37.8875, 27.9333
Hunter-Lab	48.5779, 38.6935, -47.0572

Details

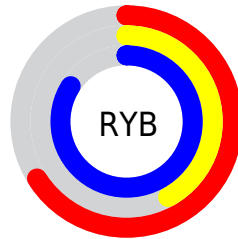
The Yxy color **23.5981, 0.2722, 0.1908** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **55.7191, 0.3356, 0.4745**, and the grayscale version is **24.9287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1850, 0.2934, 0.2287**, and **8.8130, 0.2550, 0.1543** is the 20% darker color. If you saturate the color by 10%, you get **18.7743, 0.2613, 0.1642**, and if you desaturate by 10%, it is **29.5914, 0.2823, 0.2191**.

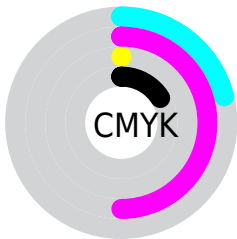
Distribution



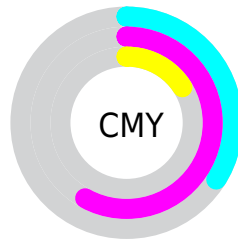
- Red (66%)
- Green (42%)
- Blue (84%)



- Red (66%)
- Yellow (42%)
- Blue (84%)



- Cyan (21%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)





- Cyan (34%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5981, 0.2722, 0.1908 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 23.5981, 0.2722, 0.1908 by changing the saturation by 10% instead.


 23.5981, 0.2722,
0.1908


 23.5981, 0.2722,
0.1908


270.7823, 0.2962,
0.2585


 15.0358, 0.2651,
0.1749


 49.3736, 0.2818,
0.2148


 8.8445, 0.2555,
0.1552


 67.3555, 0.2851,
0.2240

 4.6399, 0.2419,
0.1306


 89.2460, 0.2878,
0.2319

 2.0376, 0.2218,
0.0996

 115.4296, 0.2901,
0.2387

 0.6292, 0.1907,
0.0597

146.2906, 0.2920,
0.2446

 0.0000, 0.1395,
0.0000

182.2135, 0.2936,

 0.0000, 0.0000,

0.2498

0.0000

223.5826, 0.2950,
0.2544

■ 23.5981, 0.2722,
0.1908

■ 23.5981, 0.2722,
0.1908

■ 18.7743, 0.2613,
0.1642

■ 29.5914, 0.2823,
0.2191

■ 15.0323, 0.2501,
0.1406

■ 36.8275, 0.2915,
0.2478

■ 12.2763, 0.2389,
0.1213

■ 45.3770, 0.2996,
0.2760

■ 10.3914, 0.2282,
0.1071

■ 55.3041, 0.3065,
0.3028

■ 9.2138, 0.2188,
0.0979

■ 66.6688, 0.3125,
0.3278

■ 79.5275, 0.3174,
0.3509

■ 93.4324, 0.3216,
0.3710

■ 94.9557, 0.3273,
0.3703

■ 96.5556, 0.3331,
0.3695

Harmonies

Analogous

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



23.5981, 0.1901, 0.1722



23.5981, 0.2722, 0.1908



23.5981, 0.3855, 0.2347

Triad

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



23.5981, 0.2722, 0.1908



23.5981, 0.4966, 0.4431



23.5981, 0.1589, 0.3284

Complementary

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



23.5981, 0.2722, 0.1908



55.7191, 0.3356, 0.4745

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.



23.5981, 0.2236, 0.4596



23.5981, 0.2722, 0.1908



23.5981, 0.4175, 0.5141

Square

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



23.5981, 0.2722, 0.1908



23.5981, 0.5293, 0.3671



23.5981, 0.3189, 0.5367



23.5981, 0.1350, 0.2305

Rectangle

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



23.5981, 0.2722, 0.1908



23.5981, 0.4593, 0.2746



23.5981, 0.3189, 0.5367



23.5981, 0.1759, 0.3715

Sweetspot

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



23.5990, 0.2722, 0.1908



75.0822, 0.3034, 0.2905



30.0487, 0.2293, 0.2364



15.4052, 0.3019, 0.2847



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.



23.5990, 0.2722, 0.1908



27.2115, 0.2601, 0.1614



29.0099, 0.3278, 0.2165



12.3632, 0.3072, 0.3055



5.6300, 0.2202, 0.0986



0.3876, 0.2372, 0.1080

Inverse Universe

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



26.8332, 0.3937, 0.2746



32.9559, 0.4223, 0.2653



52.4056, 0.3006, 0.4761



12.5057, 0.3226, 0.3193



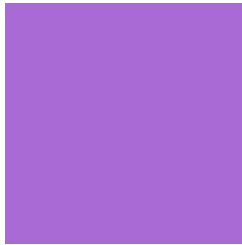
9.0972, 0.5298, 0.2692



0.5650, 0.4852, 0.2446

Previews

White Background



This preview shows how the Yxy color 23.5981, 0.2722, 0.1908 looks on a white background.

Color Contrast Check

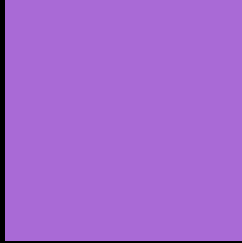
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5981, 0.2722, 0.1908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

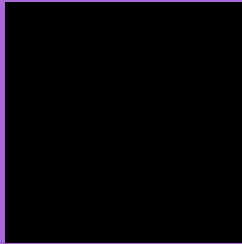
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5981, 0.2722, 0.1908

Background



This preview shows how black text looks on a background with the Yxy color 23.5981, 0.2722, 0.1908.

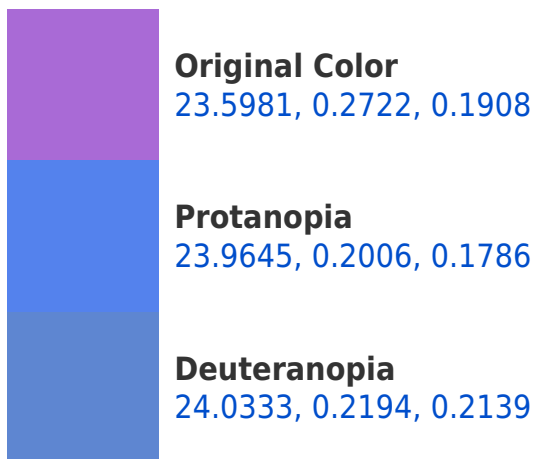


This preview shows how white text looks on a background with the Yxy color 23.5981, 0.2722, 0.1908.

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





Tritanopia

23.4844, 0.3388, 0.3131

Trichromacy



Original Color

23.5981, 0.2722, 0.1908



Protanomaly

22.9767, 0.2190, 0.1793



Deuteranomaly

23.1834, 0.2341, 0.2021



Tritanomaly

23.2143, 0.3124, 0.2602

Monochromacy



Original Color

23.5981, 0.2722, 0.1908



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

24.0279, 0.2977, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5981, 0.2722, 0.1908 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(169, 106, 214)` looks like.

```
.text, #text, p{  
    color:rgb(169, 106, 214)  
}
```

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(169, 106, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 106, 214) }
```

Border

The CSS property to change the border of an element to Yxy 23.5981, 0.2722, 0.1908 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(169, 106, 214) }
```

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

```
.border{ border-color:rgb(169, 106, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 106, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 106, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 106, 214);  
box-shadow:4px 4px 4px 4px rgb(169, 106,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5981, 0.2722, 0.1908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 106, 214) }
```

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

```
.background{ background-color: rgb(169,  
106, 214) }
```

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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