

Converting Colors

$Y_{xy}(18.8034, 0.2927, 0.2416)$

Have a look what the booklet for
Yxy(18.8034, 0.2927, 0.2416)
contains.

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Color

Yxy(18.8394, 0.2935, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	8E6BA1
RGB	142, 107, 161
RGB Percent	56%, 42%, 63%
CMY	0.4431, 0.5804, 0.3685
CMYK	0.12, 0.34, 0.00, 0.37
HSL	279°, 22%, 53%
HSV	279°, 34%, 63%
XYZ	22.8486, 18.8394, 36.1607
YIQ	123.6210, 3.5260, 24.2140

Conversions

Conversions Part 2

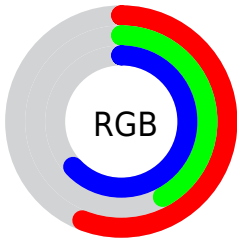
Format	Color
R_{YB}	142, 107, 161
Decimal	9333665
CIE _{Lab}	50.50, 24.26, -23.85
CIE _{LCh}	50, 34.019, 315.490
Yxy	18.8394, 0.2935, 0.2420
Android (android.graphics.Color)	4287523745 (0xFF8E6BA1)
YUV	123.6210, 18.4278, 16.1184
Hunter-Lab	43.4044, 18.0070, -19.0122

Details

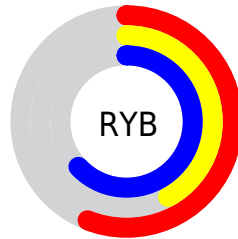
The Yxy color $18.8394, 0.2935, 0.2420$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $30.9957, 0.3261, 0.4210$, and the grayscale version is $19.9610, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.4899, 0.2981, 0.2601$, and $6.4562, 0.2846, 0.2127$ is the 20% darker color. If you saturate the color by 10%, you get $15.3010, 0.2858, 0.2146$, and if you desaturate by 10%, it is $23.0301, 0.3003, 0.2692$.

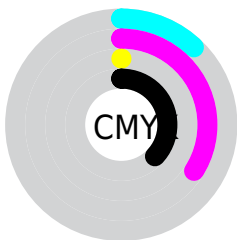
Distribution



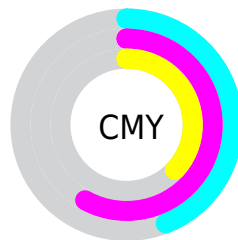
- Red (56%)
- Green (42%)
- Blue (63%)



- Red (56%)
- Yellow (42%)
- Blue (63%)



- Cyan (12%)
- Magenta (34%)
- Yellow (0%)
- Black (37%)





- Cyan (44%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8394, 0.2935, 0.2420 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 18.8394, 0.2935, 0.2420 by changing the saturation by 10% instead.


 18.8394, 0.2935,
0.2420


 18.8394, 0.2935,
0.2420


245.5607, 0.3054,
0.2890


 11.5543, 0.2896,
0.2291


 41.4625, 0.2985,
0.2599

 6.4410, 0.2839,
0.2120


 57.5694, 0.3001,
0.2664

 3.1150, 0.2749,
0.1881

 77.3856, 0.3014,
0.2718

 1.1921, 0.2593,
0.1531

 101.2955, 0.3025,
0.2763

 0.0552, 0.2436,
0.0209

129.6836, 0.3034,
0.2801

 0.0000, 0.0000,
0.0000

162.9342, 0.3042,

0.2835

201.4318, 0.3048,
0.2864

■ 18.8394, 0.2935,
0.2420

■ 18.8394, 0.2935,
0.2420

■ 15.3010, 0.2858,
0.2146

■ 23.0301, 0.3003,
0.2692

■ 12.3773, 0.2774,
0.1882

■ 27.9032, 0.3061,
0.2956

■ 10.0307, 0.2683,
0.1637


■ 33.4897, 0.3111,
0.3205

■ 8.2180, 0.2590,
0.1425

■ 39.8180, 0.3153,
0.3438


■ 6.8900, 0.2496,
0.1254

■ 46.9149, 0.3188,
0.3651

 5.9880, 0.2405,
0.1131

 54.8060, 0.3216,
0.3845

 5.5383, 0.2349,
0.1068

 63.5155, 0.3239,
0.4021

 73.0666, 0.3257,
0.4179

 83.4818, 0.3272,
0.4321

Harmonies

Analogous

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



18.8394, 0.2394, 0.2294



18.8394, 0.2935, 0.2420



18.8394, 0.3592, 0.2727

Triad

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



18.8394, 0.2935, 0.2420



18.8394, 0.4267, 0.4112



18.8394, 0.2180, 0.3301

Complementary

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



18.8394, 0.2935, 0.2420



30.9957, 0.3261, 0.4210

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.



18.8394, 0.2613, 0.3964



18.8394, 0.2935, 0.2420



18.8394, 0.3819, 0.4426

Square

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



18.8394, 0.2935, 0.2420



18.8394, 0.4406, 0.3648



18.8394, 0.3212, 0.4406



18.8394, 0.1996, 0.2726

Rectangle

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



18.8394, 0.2935, 0.2420



18.8394, 0.3993, 0.3005



18.8394, 0.3212, 0.4406



18.8394, 0.2298, 0.3526

Sweetspot

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



18.8402, 0.2935, 0.2420



53.1765, 0.3079, 0.3042



20.8283, 0.2586, 0.2685



11.3827, 0.3072, 0.3008



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.8402, 0.2935, 0.2420



29.0554, 0.2881, 0.2223



20.4211, 0.3252, 0.2576



7.0769, 0.3084, 0.3065



4.4452, 0.2356, 0.1071



0.1183, 0.2677, 0.1249

Inverse Universe

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



19.6007, 0.3617, 0.2988



30.7169, 0.3768, 0.2921



29.8429, 0.3024, 0.4128



7.1252, 0.3232, 0.3211



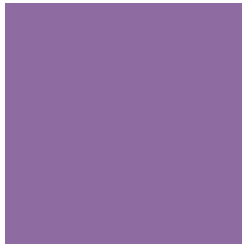
6.2920, 0.5522, 0.2816



0.1409, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 18.8394, 0.2935, 0.2420 looks on a white background.

Color Contrast Check

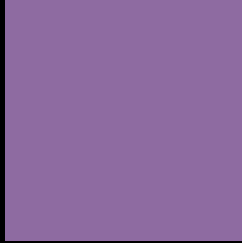
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8394, 0.2935, 0.2420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

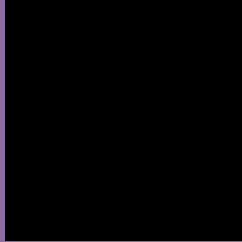
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8394, 0.2935, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 18.8394, 0.2935, 0.2420.



This preview shows how white text looks on a background with the Yxy color 18.8394, 0.2935, 0.2420.

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

18.8394, 0.2935, 0.2420

Protanopia

19.0390, 0.2468, 0.2402

Deuteranopia

18.8396, 0.2623, 0.2561



Tritanopia

18.9258, 0.3303, 0.3147

Trichromacy



Original Color

18.8394, 0.2935, 0.2420

Protanomaly

18.9030, 0.2618, 0.2405

Deuteranomaly

18.7103, 0.2722, 0.2498

Tritanomaly

18.7978, 0.3160, 0.2857

Monochromacy



Original Color

18.8394, 0.2935, 0.2420

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.5883, 0.3069, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8394, 0.2935, 0.2420 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(142, 107, 161)` looks like.

```
.text, #text, p{  
    color:rgb(142, 107, 161)  
}
```

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(142, 107, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 107, 161) }
```

Border

The CSS property to change the border of an element to Yxy 18.8394, 0.2935, 0.2420 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(142, 107, 161) }
```

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

```
.border{ border-color:rgb(142, 107, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 107, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 107, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 107, 161);  
box-shadow:4px 4px 4px 4px rgb(142, 107,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8394, 0.2935, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 107, 161) }
```

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

```
.background{ background-color: rgb(142,  
107, 161) }
```

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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