

Converting Colors

$Y_{xy}(18.8320, 0.2427, 0.2384)$

Have a look what the booklet for
Yxy(18.8320, 0.2427, 0.2384)
contains.

Yxy(18.8433, 0.2425, 0.2379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.8433, 0.2425, 0.2379)

Conversions

Conversions Part 1

Format	Color
Hex	6477AB
RGB	100, 119, 171
RGB Percent	39%, 47%, 67%
CMY	0.6076, 0.5334, 0.3294
CMYK	0.41, 0.30, 0.00, 0.33
HSL	224°, 30%, 53%
HSV	224°, 41%, 67%
XYZ	19.2077, 18.8433, 41.1559
YIQ	119.2470, -28.0160, 12.1440

Conversions

Conversions Part 2

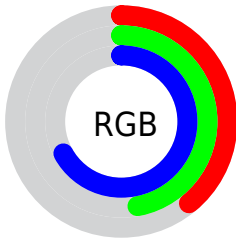
Format	Color
R_{YB}	100, 115, 171
Decimal	6584235
CIE _{Lab}	50.50, 6.76, -29.95
CIE _{LCh}	51, 30.699, 282.725
Yxy	18.8433, 0.2425, 0.2379
Android (android.graphics.Color)	4284774315 (0xFF6477AB)
YUV	119.2470, 25.5142, -16.8796
Hunter-Lab	43.4089, 3.0175, -25.8265

Details

The Yxy color **18.8433, 0.2425, 0.2379** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.0593, 0.3838, 0.4055**, and the grayscale version is **18.4576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4442, 0.2574, 0.2566**, and **6.4429, 0.2160, 0.2064** is the 20% darker color. If you saturate the color by 10%, you get **15.1789, 0.2241, 0.2111**, and if you desaturate by 10%, it is **23.1074, 0.2608, 0.2632**.

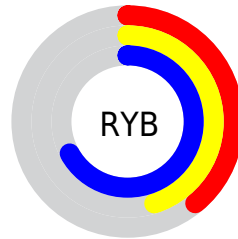
Distribution



Red (39%)

Green (47%)

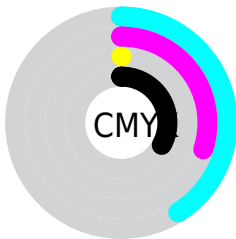
Blue (67%)



Red (39%)

Yellow (45%)

Blue (67%)

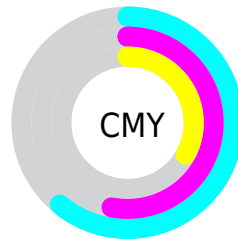


Cyan (41%)

Magenta (30%)

Yellow (0%)

Black (33%)



Cyan (61%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8433, 0.2425, 0.2379 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 18.8433, 0.2425, 0.2379 by changing the saturation by 10% instead.

■ 18.8433, 0.2425,
0.2379

■ 18.8433, 0.2425,
0.2379

245.5823, 0.2820,
0.2880

■ 11.5571, 0.2311,
0.2240

■ 41.4691, 0.2580,
0.2572

■ 6.4429, 0.2155,
0.2053

■ 57.5776, 0.2635,
0.2641

■ 3.1162, 0.1933,
0.1793

■ 77.3956, 0.2680,
0.2698

■ 1.1927, 0.1598,
0.1415

■ 101.3075, 0.2717,
0.2746

■ 0.0557, 0.0731,
0.0187

129.6977, 0.2749,
0.2787

■ 0.0000, 0.0000,
0.0000

162.9507, 0.2776,

0.2822

201.4507, 0.2800,
0.2853

■ 18.8433, 0.2425,
0.2379

■ 18.8433, 0.2425,
0.2379

■ 15.1789, 0.2241,
0.2111

■ 23.1074, 0.2608,
0.2632

■ 12.0840, 0.2064,
0.1836

■ 27.9954, 0.2785,
0.2865

■ 9.5286, 0.1902,
0.1566

■ 33.5327, 0.2951,
0.3076

■ 7.4789, 0.1765,
0.1313

■ 39.7424, 0.3105,
0.3264

■ 5.8963, 0.1659,
0.1091

■ 46.6466, 0.3246,
0.3430

■ 4.8664, 0.1592,
0.0932

■ 54.2663, 0.3375,
0.3575

■ 62.6218, 0.3490,
0.3702

■ 71.7322, 0.3594,
0.3812

■ 81.6163, 0.3687,
0.3908

Harmonies

Analogous

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



18.8433, 0.2147, 0.2489



18.8433, 0.2425, 0.2379



18.8433, 0.2904, 0.2476

Triad

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



18.8433, 0.2425, 0.2379



18.8433, 0.4276, 0.3585



18.8433, 0.2711, 0.3942

Complementary

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



18.8433, 0.2425, 0.2379



32.0593, 0.3838, 0.4055

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.



18.8433, 0.3264, 0.4306



18.8433, 0.2425, 0.2379



18.8433, 0.4188, 0.4011

Square

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



18.8433, 0.2425, 0.2379



18.8433, 0.4017, 0.3137



18.8433, 0.3807, 0.4303



18.8433, 0.2294, 0.3361

Rectangle

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



18.8433, 0.2425, 0.2379



18.8433, 0.3295, 0.2639



18.8433, 0.3807, 0.4303



18.8433, 0.2886, 0.4100

Sweetspot

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



18.8440, 0.2425, 0.2379



59.2958, 0.2939, 0.3062



34.0720, 0.2704, 0.3627



12.9340, 0.2919, 0.3036



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.8440, 0.2425, 0.2379



27.5515, 0.2252, 0.2128



15.7389, 0.2527, 0.2089



8.0920, 0.2986, 0.3119



3.7444, 0.1597, 0.0948



0.1946, 0.1766, 0.1558

Inverse Universe

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



19.1149, 0.3879, 0.3004



28.7675, 0.4147, 0.2944



37.0809, 0.3580, 0.4352



8.0492, 0.3246, 0.3230



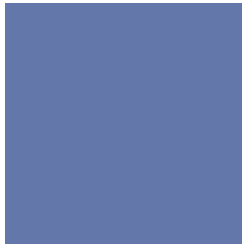
6.6810, 0.5837, 0.2989



0.1950, 0.4984, 0.2519

Previews

White Background



This preview shows how the Yxy color 18.8433, 0.2425, 0.2379 looks on a white background.

Color Contrast Check

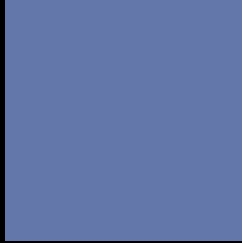
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8433, 0.2425, 0.2379 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

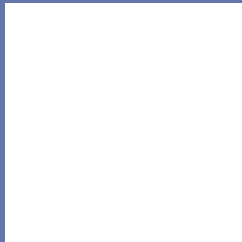
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.8433, 0.2425, 0.2379

Background



This preview shows how black text looks on a background with the Yxy color 18.8433, 0.2425, 0.2379.

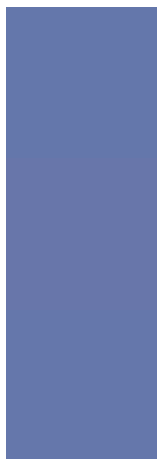


This preview shows how white text looks on a background with the Yxy color 18.8433, 0.2425, 0.2379.

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

18.8433, 0.2425, 0.2379

Protanopia

18.8022, 0.2465, 0.2384

Deuteranopia

18.9006, 0.2433, 0.2381



Tritanopia

18.9234, 0.2649, 0.3090

Trichromacy



Original Color

18.8433, 0.2425, 0.2379

Protanomaly

18.7427, 0.2456, 0.2382

Deuteranomaly

18.9006, 0.2433, 0.2381

Tritanomaly

18.7155, 0.2556, 0.2794

Monochromacy



Original Color

18.8433, 0.2425, 0.2379

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4734, 0.2836, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8433, 0.2425, 0.2379 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(100, 119, 171)` looks like.

```
.text, #text, p{  
    color:rgb(100, 119, 171)  
}
```

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(100, 119, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 119, 171) }
```

Border

The CSS property to change the border of an element to Yxy 18.8433, 0.2425, 0.2379 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(100, 119, 171) }
```

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

```
.border{ border-color:rgb(100, 119, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 119, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 119, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 119, 171);  
box-shadow:4px 4px 4px 4px rgb(100, 119,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8433, 0.2425, 0.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 119, 171) }
```

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

```
.background{ background-color: rgb(100,  
119, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor