

Converting Colors

$Y_{xy}(18.6574, 0.2529, 0.1983)$

Have a look what the booklet for
Yxy(18.6574, 0.2529, 0.1983)
contains.

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Color

Yxy(18.6900, 0.2530, 0.1985)

Conversions

Conversions Part 1

Format	Color
Hex	8369BF
RGB	131, 105, 191
RGB Percent	51%, 41%, 75%
CMY	0.4861, 0.5883, 0.2510
CMYK	0.31, 0.45, 0.00, 0.25
HSL	258°, 40%, 58%
HSV	258°, 45%, 75%
XYZ	23.8215, 18.6900, 51.6447
YIQ	122.5780, -12.1100, 32.2580

Conversions

Conversions Part 2

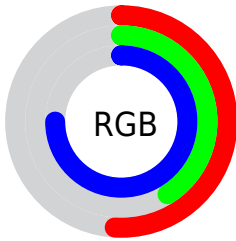
Format	Color
R_{YB}	131, 105, 191
Decimal	8612287
CIE _{Lab}	50.32, 29.37, -41.62
CIE _{LCh}	50, 50.944, 305.208
Yxy	18.6900, 0.2530, 0.1985
Android (android.graphics.Color)	4286802367 (0xFF8369BF)
YUV	122.5780, 33.7320, 7.3861
Hunter-Lab	43.2319, 22.7006, -40.5652

Details

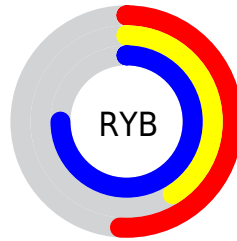
The Yxy color **18.6900, 0.2530, 0.1985** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **46.2758, 0.3551, 0.4479**, and the grayscale version is **19.5530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3304, 0.2665, 0.2237**, and **6.3521, 0.2287, 0.1593** is the 20% darker color. If you saturate the color by 10%, you get **14.2318, 0.2361, 0.1667**, and if you desaturate by 10%, it is **24.1599, 0.2689, 0.2305**.

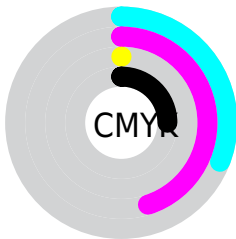
Distribution



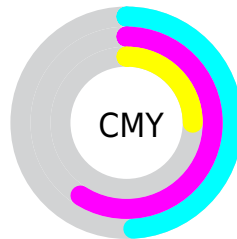
- Red (51%)
- Green (41%)
- Blue (75%)



- Red (51%)
- Yellow (41%)
- Blue (75%)



- Cyan (31%)
- Magenta (45%)
- Yellow (0%)
- Black (25%)




- Cyan (49%)
- Magenta (59%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6900, 0.2530, 0.1985 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 18.6900, 0.2530, 0.1985 by changing the saturation by 10% instead.


 18.6900, 0.2530,
0.1985


 18.6900, 0.2530,
0.1985


244.7320, 0.2876,
0.2663


 11.4465, 0.2428,
0.1814


 41.2096, 0.2667,
0.2234


 6.3680, 0.2289,
0.1596

 57.2545, 0.2716,
0.2327

 3.0701, 0.2091,
0.1313

 77.0020, 0.2755,
0.2406

 1.1684, 0.1794,
0.0946

 100.8365, 0.2788,
0.2472

 0.0357, 0.1388,
0.0066

129.1423, 0.2815,
0.2530

 0.0000, 0.0000,
0.0000

162.3039, 0.2839,

0.2580

200.7057, 0.2859,
0.2624

■ 18.6900, 0.2530,
0.1985

■ 18.6900, 0.2530,
0.1985

■ 14.2318, 0.2361,
0.1667

■ 24.1599, 0.2689,
0.2305

■ 10.7188, 0.2190,
0.1368

■ 30.6980, 0.2834,
0.2614

■ 8.0797, 0.2026,
0.1108

■ 38.3591, 0.2964,
0.2903

■ 6.2315, 0.1878,
0.0903

■ 47.1934, 0.3076,
0.3167

■ 5.0741, 0.1755,
0.0764

■ 57.2483, 0.3173,
0.3405

■ 4.6578, 0.1704,
0.0712

■ 68.5684, 0.3256,
0.3617

■ 81.1960, 0.3327,
0.3805

■ 93.3809, 0.3391,
0.3944

■ 95.7652, 0.3480,
0.3925

Harmonies

Analogous

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



18.6900, 0.1891, 0.1896



18.6900, 0.2530, 0.1985



18.6900, 0.3458, 0.2320

Triad

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



18.6900, 0.2530, 0.1985



18.6900, 0.4896, 0.4150



18.6900, 0.1920, 0.3629

Complementary

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



18.6900, 0.2530, 0.1985



46.2758, 0.3551, 0.4479

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.



18.6900, 0.2609, 0.4661



18.6900, 0.2530, 0.1985



18.6900, 0.4325, 0.4779

Square

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



18.6900, 0.2530, 0.1985



18.6900, 0.4969, 0.3477



18.6900, 0.3491, 0.5085



18.6900, 0.1579, 0.2663

Rectangle

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



18.6900, 0.2530, 0.1985



18.6900, 0.4120, 0.2655



18.6900, 0.3491, 0.5085



18.6900, 0.2114, 0.3999

Sweetspot

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



18.6907, 0.2530, 0.1985



69.9075, 0.2973, 0.2925



33.7458, 0.2460, 0.2890



14.6458, 0.2947, 0.2864



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



18.6907, 0.2530, 0.1985



25.6177, 0.2364, 0.1673



22.8371, 0.2986, 0.2140



9.3618, 0.3030, 0.3056



3.0983, 0.1716, 0.0719



0.1567, 0.1995, 0.0873

Inverse Universe

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



23.8908, 0.3484, 0.2498



36.3219, 0.3593, 0.2342



42.4345, 0.3189, 0.4629



9.6457, 0.3183, 0.3131



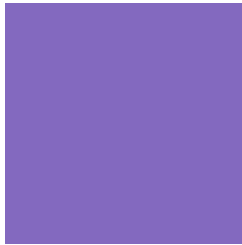
8.4092, 0.4144, 0.2057



0.3405, 0.3870, 0.1906

Previews

White Background



This preview shows how the Yxy color 18.6900, 0.2530, 0.1985 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 18.6900, 0.2530, 0.1985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

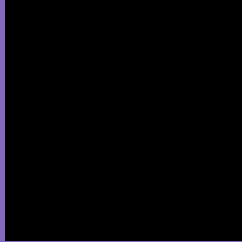
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6900, 0.2530, 0.1985

Background



This preview shows how black text looks on a background with the Yxy color 18.6900, 0.2530, 0.1985.



This preview shows how white text looks on a background with the Yxy color 18.6900, 0.2530, 0.1985.

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

18.6900, 0.2530, 0.1985

Protanopia

18.8717, 0.2110, 0.1926

Deuteranopia

18.9028, 0.2188, 0.2137



Tritanopia

18.6302, 0.3001, 0.3101

Trichromacy



Original Color

18.6900, 0.2530, 0.1985

Protanomaly

18.6542, 0.2236, 0.1943

Deuteranomaly

18.6449, 0.2289, 0.2075

Tritanomaly

18.5126, 0.2812, 0.2622

Monochromacy



Original Color

18.6900, 0.2530, 0.1985

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.0645, 0.2889, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6900, 0.2530, 0.1985 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(131, 105, 191)` looks like.

```
.text, #text, p{  
    color:rgb(131, 105, 191)  
}
```

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(131, 105, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 105, 191) }
```

Border

The CSS property to change the border of an element to Yxy 18.6900, 0.2530, 0.1985 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(131, 105, 191) }
```

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

```
.border{ border-color:rgb(131, 105, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 105, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 105, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 105, 191);  
box-shadow:4px 4px 4px 4px rgb(131, 105,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6900, 0.2530, 0.1985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 105, 191) }
```

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

```
.background{ background-color: rgb(131,  
105, 191) }
```

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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