

Converting Colors

$Y_{xy}(19.0829, 0.2815, 0.2485)$

Have a look what the booklet for
Yxy(19.0829, 0.2815, 0.2485)
contains.

Yxy(18.9868, 0.2810, 0.2472)	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(18.9868, 0.2810, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	8370A1
RGB	131, 112, 161
RGB Percent	51%, 44%, 63%
CMY	0.4864, 0.5607, 0.3687
CMYK	0.19, 0.30, 0.00, 0.37
HSL	263°, 21%, 54%
HSV	263°, 30%, 63%
XYZ	21.5829, 18.9868, 36.2378
YIQ	123.2670, -4.4050, 19.2670

Conversions

Conversions Part 2

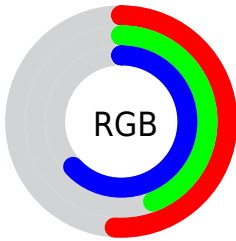
Format	Color
R_{YB}	131, 112, 161
Decimal	8614049
CIE _{Lab}	50.67, 17.66, -23.65
CIE _{LCh}	51, 29.518, 306.758
Yxy	18.9868, 0.2810, 0.2472
Android (android.graphics.Color)	4286804129 (0xFF8370A1)
YUV	123.2670, 18.6024, 6.7818
Hunter-Lab	43.5738, 12.1600, -18.8062

Details

The Yxy color **18.9868, 0.2810, 0.2472** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.4073, 0.3378, 0.4081**, and the grayscale version is **19.8380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8231, 0.2889, 0.2645**, and **6.5202, 0.2679, 0.2187** is the 20% darker color. If you saturate the color by 10%, you get **14.9960, 0.2677, 0.2169**, and if you desaturate by 10%, it is **23.6893, 0.2929, 0.2762**.

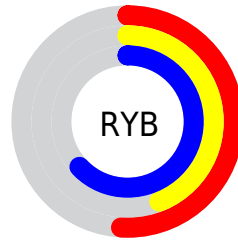
Distribution



Red (51%)

Green (44%)

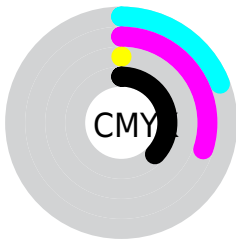
Blue (63%)



Red (51%)

Yellow (44%)

Blue (63%)

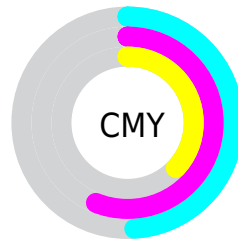


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (37%)



Cyan (49%)

Magenta (56%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9868, 0.2810, 0.2472 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 18.9868, 0.2810, 0.2472 by changing the saturation by 10% instead.

■ 18.9868, 0.2810,
0.2472

■ 18.9868, 0.2810,
0.2472

■ 246.3759, 0.2996,
0.2917

■ 11.6607, 0.2752,
0.2348

■ 41.7118, 0.2885,
0.2643

■ 6.5131, 0.2670,
0.2182

■ 57.8795, 0.2911,
0.2704

■ 3.1595, 0.2546,
0.1949

■ 77.7633, 0.2932,
0.2755

■ 1.2156, 0.2339,
0.1603

■ 101.7474, 0.2950,
0.2798

■ 0.0744, 0.1981,
0.0294

■ 130.2163, 0.2964,
0.2835

■ 0.0000, 0.0000,
0.0000

163.5545, 0.2976,

0.2866

202.1462, 0.2987,
0.2893

■ 18.9868, 0.2810,
0.2472

■ 18.9868, 0.2810,
0.2472

■ 14.9960, 0.2677,
0.2169

■ 23.6893, 0.2929,
0.2762

■ 11.6787, 0.2532,
0.1863

■ 29.1346, 0.3033,
0.3032

■ 8.9965, 0.2380,
0.1568


■ 35.3546, 0.3124,
0.3280

■ 6.9060, 0.2227,
0.1299


■ 42.3787, 0.3201,
0.3504

■ 5.3582, 0.2079,
0.1073

■ 50.2347, 0.3266,
0.3705


 4.2957, 0.1946,
0.0902

 58.9491, 0.3321,
0.3883

 3.6074, 0.1834,
0.0784

 68.5472, 0.3367,
0.4042

 79.0532, 0.3406,
0.4183

 89.2717, 0.3443,
0.4290

Harmonies

Analogous

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



18.9868, 0.2381, 0.2417



18.9868, 0.2810, 0.2472



18.9868, 0.3367, 0.2702

Triad

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



18.9868, 0.2810, 0.2472



18.9868, 0.4189, 0.3912



18.9868, 0.2391, 0.3474

Complementary

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



18.9868, 0.2810, 0.2472



32.4073, 0.3378, 0.4081

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.



18.9868, 0.2828, 0.4006



18.9868, 0.2810, 0.2472



18.9868, 0.3872, 0.4225

Square

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



18.9868, 0.2810, 0.2472



18.9868, 0.4206, 0.3490



18.9868, 0.3370, 0.4289



18.9868, 0.2156, 0.2936

Rectangle

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



18.9868, 0.2810, 0.2472



18.9868, 0.3735, 0.2932



18.9868, 0.3370, 0.4289



18.9868, 0.2517, 0.3664

Sweetspot

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



18.9876, 0.2810, 0.2472



53.5042, 0.3046, 0.3065



25.4277, 0.2664, 0.2968



11.4171, 0.3032, 0.3029



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.



18.9876, 0.2810, 0.2472



28.6872, 0.2715, 0.2252



21.1597, 0.3093, 0.2537



6.9874, 0.3044, 0.3062



2.9038, 0.1842, 0.0789



0.0878, 0.2275, 0.1027

Inverse Universe

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



21.1209, 0.3391, 0.2822



33.2607, 0.3475, 0.2708



30.4869, 0.3139, 0.4143



7.1555, 0.3194, 0.3153



6.7741, 0.4458, 0.2230



0.1512, 0.3904, 0.1924

Previews

White Background



This preview shows how the Yxy color 18.9868, 0.2810, 0.2472 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 18.9868, 0.2810, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

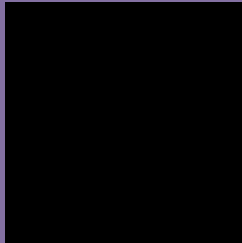
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9868, 0.2810, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 18.9868, 0.2810, 0.2472.



This preview shows how white text looks on a background with the Yxy color 18.9868, 0.2810, 0.2472.

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

18.9868, 0.2810, 0.2472

Protanopia

19.0726, 0.2527, 0.2466

Deuteranopia

19.1112, 0.2616, 0.2564



Tritanopia

18.8754, 0.3098, 0.3106

Trichromacy



Original Color

18.9868, 0.2810, 0.2472

Protanomaly

18.8841, 0.2626, 0.2461

Deuteranomaly

18.8804, 0.2683, 0.2525

Tritanomaly

18.8963, 0.2988, 0.2861

Monochromacy



Original Color

18.9868, 0.2810, 0.2472

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.4354, 0.3009, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9868, 0.2810, 0.2472 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, 112, 161)` looks like.

```
.text, #text, p{  
    color:rgb(131, 112, 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(131, 112, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 112, 161) }
```

Border

The CSS property to change the border of an element to Yxy 18.9868, 0.2810, 0.2472 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, 112, 161) }
```

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

```
.border{ border-color:rgb(131, 112, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 112, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 112, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 112, 161);  
box-shadow:4px 4px 4px 4px rgb(131, 112,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9868, 0.2810, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 112, 161) }
```

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

```
.background{ background-color: rgb(131,  
112, 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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