

Converting Colors

$Y_{xy}(18.8000, 0.2709, 0.2311)$

Have a look what the booklet for
Yxy(18.8000, 0.2709, 0.2311)
contains.

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Color

Yxy(18.8000, 0.2709, 0.2311)

Conversions

Conversions Part 1

Format	Color
Hex	826EAA
RGB	130, 110, 170
RGB Percent	51%, 43%, 67%
CMY	0.4903, 0.5686, 0.3332
CMYK	0.24, 0.35, 0.00, 0.33
HSL	260°, 26%, 55%
HSV	260°, 35%, 67%
XYZ	22.0377, 18.8000, 40.5123
YIQ	122.8200, -7.3400, 22.9000

Conversions

Conversions Part 2

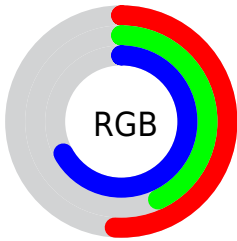
Format	Color
R_{YB}	130, 110, 170
Decimal	8548010
CIE _{Lab}	50.45, 20.74, -29.28
CIE _{LCh}	50, 35.876, 305.312
Yxy	18.8000, 0.2709, 0.2311
Android (android.graphics.Color)	4286738090 (0xFF826EAA)
YUV	122.8200, 23.2597, 6.2969
Hunter-Lab	43.3590, 14.8466, -25.0462

Details

The Yxy color $18.8000, 0.2709, 0.2311$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $36.3757, 0.3449, 0.4212$, and the grayscale version is $19.6688, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.5220, 0.2805, 0.2510$, and $6.4155, 0.2522, 0.1969$ is the 20% darker color. If you saturate the color by 10%, you get $14.6289, 0.2557, 0.1997$, and if you desaturate by 10%, it is $23.7755, 0.2847, 0.2615$.

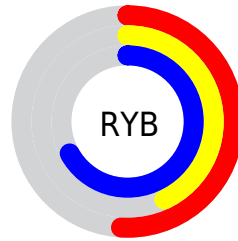
Distribution



Red (51%)

Green (43%)

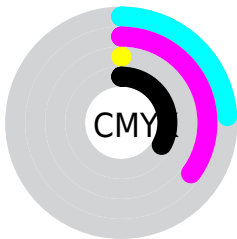
Blue (67%)



Red (51%)

Yellow (43%)

Blue (67%)

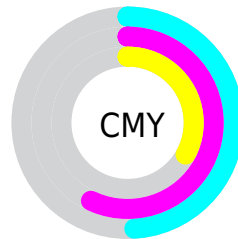


Cyan (24%)

Magenta (35%)

Yellow (0%)

Black (33%)



Cyan (49%)


Magenta (57%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8000, 0.2709, 0.2311 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 18.8000, 0.2709, 0.2311 by changing the saturation by 10% instead.

 18.8000, 0.2709,
0.2311


 18.8000, 0.2709,
0.2311


245.3424, 0.2954,
0.2838


 11.5259, 0.2634,
0.2169


 41.3959, 0.2807,
0.2511


 6.4217, 0.2530,
0.1980


 57.4864, 0.2841,
0.2583

 3.1032, 0.2374,
0.1722

 77.2845, 0.2869,
0.2644

 1.1858, 0.2124,
0.1353

 101.1745, 0.2892,
0.2695

 0.0501, 0.1725,
0.0156

129.5410, 0.2911,
0.2738

 0.0000, 0.0000,
0.0000

162.7682, 0.2927,

0.2776

201.2405, 0.2941,
0.2809

■ 18.8000, 0.2709,
0.2311

■ 18.8000, 0.2709,
0.2311

■ 14.6289, 0.2557,
0.1997

■ 23.7755, 0.2847,
0.2615

■ 11.2163, 0.2396,
0.1686

■ 29.5934, 0.2970,
0.2900

■ 8.5151, 0.2232,
0.1393

■ 36.2920, 0.3077,
0.3161

■ 6.4718, 0.2072,
0.1137

■ 43.9063, 0.3169,
0.3398

■ 5.0251, 0.1926,
0.0933

■ 52.4697, 0.3247,
0.3610

■ 4.0984, 0.1802,
0.0792

■ 62.0138, 0.3314,
0.3798

■ 3.7614, 0.1750,
0.0738

■ 72.5685, 0.3370,
0.3964

■ 84.1628, 0.3417,
0.4111

■ 91.5922, 0.3475,
0.4171

Harmonies

Analogous

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



18.8000, 0.2215, 0.2251



18.8000, 0.2709, 0.2311



18.8000, 0.3378, 0.2572

Triad

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



18.8000, 0.2709, 0.2311



18.8000, 0.4419, 0.3990



18.8000, 0.2257, 0.3541

Complementary

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



18.8000, 0.2709, 0.2311



36.3757, 0.3449, 0.4212

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.



18.8000, 0.2783, 0.4208



18.8000, 0.2709, 0.2311



18.8000, 0.4038, 0.4400

Square

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



18.8000, 0.2709, 0.2311



18.8000, 0.4433, 0.3483



18.8000, 0.3436, 0.4529



18.8000, 0.1976, 0.2872

Rectangle

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



18.8000, 0.2709, 0.2311



18.8000, 0.3835, 0.2835



18.8000, 0.3436, 0.4529



18.8000, 0.2409, 0.3781

Sweetspot

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



18.8008, 0.2709, 0.2311



58.4617, 0.3015, 0.3010



28.3591, 0.2597, 0.2975



12.6899, 0.3001, 0.2975



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.



18.8008, 0.2709, 0.2311



28.3217, 0.2597, 0.2077



21.4298, 0.3038, 0.2399



7.4173, 0.3036, 0.3060



2.7936, 0.1760, 0.0743



0.0958, 0.2152, 0.0959

Inverse Universe

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



21.9059, 0.3407, 0.2697



34.8748, 0.3487, 0.2572



33.9524, 0.3174, 0.4297



7.6235, 0.3186, 0.3140



7.1812, 0.4249, 0.2115



0.1836, 0.3831, 0.1884

Previews

White Background



This preview shows how the Yxy color 18.8000, 0.2709, 0.2311 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 18.8000, 0.2709, 0.2311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

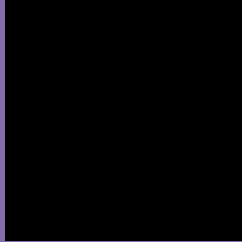
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8000, 0.2709, 0.2311

Background



This preview shows how black text looks on a background with the Yxy color 18.8000, 0.2709, 0.2311.



This preview shows how white text looks on a background with the Yxy color 18.8000, 0.2709, 0.2311.

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

18.8000, 0.2709, 0.2311

Protanopia

18.8979, 0.2387, 0.2280

Deuteranopia

18.9639, 0.2483, 0.2431



Tritanopia

18.8897, 0.3061, 0.3122

Trichromacy



Original Color

18.8000, 0.2709, 0.2311

Protanomaly

18.7622, 0.2500, 0.2294

Deuteranomaly

18.8661, 0.2553, 0.2382

Tritanomaly

18.8339, 0.2931, 0.2808

Monochromacy



Original Color

18.8000, 0.2709, 0.2311

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.2859, 0.2976, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8000, 0.2709, 0.2311 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(130, 110, 170)` looks like.

```
.text, #text, p{  
    color:rgb(130, 110, 170)  
}
```

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(130, 110, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 110, 170) }
```

Border

The CSS property to change the border of an element to Yxy 18.8000, 0.2709, 0.2311 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(130, 110, 170) }
```

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

```
.border{ border-color:rgb(130, 110, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 110, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 110, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 110, 170);  
box-shadow:4px 4px 4px 4px rgb(130, 110,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8000, 0.2709, 0.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 110, 170) }
```

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

```
.background{ background-color: rgb(130,  
110, 170) }
```

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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