

Converting Colors

$Y_{xy}(17.8784, 0.2696, 0.2339)$

Have a look what the booklet for
Yxy(17.8784, 0.2696, 0.2339)
contains.

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Color

Yxy(18.0139, 0.2701, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	7D6DA5
RGB	125, 109, 165
RGB Percent	49%, 43%, 65%
CMY	0.5096, 0.5726, 0.3529
CMYK	0.24, 0.34, 0.00, 0.35
HSL	257°, 24%, 54%
HSV	257°, 34%, 65%
XYZ	20.7221, 18.0139, 37.9842
YIQ	120.1680, -8.4400, 20.8080

Conversions

Conversions Part 2

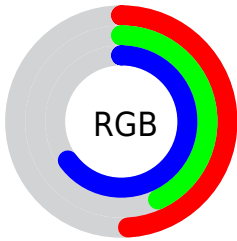
Format	Color
R_{YB}	125, 109, 165
Decimal	8220069
CIE _{Lab}	49.51, 18.55, -27.84
CIE _{LCh}	50, 33.452, 303.675
Yxy	18.0139, 0.2701, 0.2348
Android (android.graphics.Color)	4286410149 (0xFF7D6DA5)
YUV	120.1680, 22.1022, 4.2377
Hunter-Lab	42.4428, 12.8754, -23.3516

Details

The Yxy color **18.0139, 0.2701, 0.2348** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.4010, 0.3463, 0.4165**, and the grayscale version is **18.7706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2408, 0.2807, 0.2553**, and **6.0256, 0.2520, 0.2011** is the 20% darker color. If you saturate the color by 10%, you get **13.9844, 0.2542, 0.2031**, and if you desaturate by 10%, it is **22.8107, 0.2846, 0.2653**.

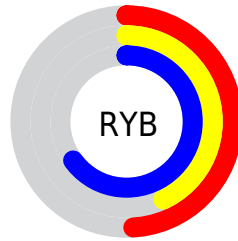
Distribution



Red (49%)

Green (43%)

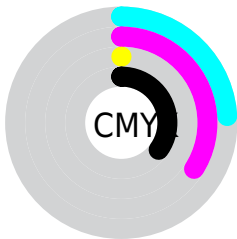
Blue (65%)



Red (49%)

Yellow (43%)

Blue (65%)

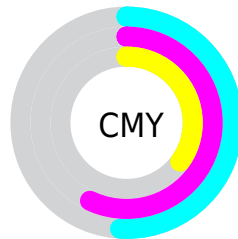


Cyan (24%)

Magenta (34%)

Yellow (0%)

Black (35%)



Cyan (51%)


Magenta (57%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0139, 0.2701, 0.2348 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 18.0139, 0.2701, 0.2348 by changing the saturation by 10% instead.


 18.0139, 0.2701,
0.2348


 18.0139, 0.2701,
0.2348


240.9494, 0.2951,
0.2860


 10.9600, 0.2624,
0.2207


 40.0610, 0.2802,
0.2544


 6.0399, 0.2516,
0.2019


 55.8230, 0.2837,
0.2615

 2.8694, 0.2354,
0.1757

 75.2564, 0.2865,
0.2673

 1.0639, 0.2090,
0.1378

 98.7457, 0.2888,
0.2723

 0.0000, 0.1536,
0.0000

126.6753, 0.2907,
0.2765

 0.0000, 0.0000,
0.0000

159.4295, 0.2924,

0.2801

197.3927, 0.2938,
0.2833

■ 18.0139, 0.2701,
0.2348

■ 18.0139, 0.2701,
0.2348

■ 13.9844, 0.2542,
0.2031

■ 22.8107, 0.2846,
0.2653

■ 10.6794, 0.2373,
0.1713

■ 28.4102, 0.2975,
0.2936

■ 8.0549, 0.2201,
0.1410

■ 34.8484, 0.3087,
0.3195

■ 6.0612, 0.2034,
0.1142

■ 42.1582, 0.3184,
0.3428

■ 4.6418, 0.1884,
0.0927

■ 50.3709, 0.3267,
0.3635

■ 3.7292, 0.1757,
0.0776

■ 59.5162, 0.3337,
0.3818

■ 3.3279, 0.1693,
0.0706

■ 69.6224, 0.3397,
0.3979

■ 80.7166, 0.3448,
0.4121

■ 91.2239, 0.3496,
0.4224

Harmonies

Analogous

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



18.0139, 0.2240, 0.2304



18.0139, 0.2701, 0.2348



18.0139, 0.3330, 0.2589

Triad

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



18.0139, 0.2701, 0.2348



18.0139, 0.4364, 0.3937



18.0139, 0.2324, 0.3567

Complementary

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



18.0139, 0.2701, 0.2348



34.4010, 0.3463, 0.4165

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.



18.0139, 0.2837, 0.4180



18.0139, 0.2701, 0.2348



18.0139, 0.4022, 0.4330

Square

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



18.0139, 0.2701, 0.2348



18.0139, 0.4352, 0.3453



18.0139, 0.3459, 0.4462



18.0139, 0.2039, 0.2929

Rectangle

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



18.0139, 0.2701, 0.2348



18.0139, 0.3764, 0.2836



18.0139, 0.3459, 0.4462



18.0139, 0.2474, 0.3790

Sweetspot

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



18.0146, 0.2701, 0.2348



55.0389, 0.3019, 0.3037



27.5044, 0.2622, 0.3022



11.7061, 0.3004, 0.3002



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



18.0146, 0.2701, 0.2348



26.5154, 0.2578, 0.2101



20.4110, 0.3021, 0.2430



6.9537, 0.3029, 0.3061



2.5401, 0.1702, 0.0711



0.0762, 0.2098, 0.0930

Inverse Universe

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



21.1031, 0.3359, 0.2685



33.0204, 0.3430, 0.2546



32.0899, 0.3190, 0.4245



7.1674, 0.3179, 0.3131



7.0449, 0.4076, 0.2019



0.1555, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 18.0139, 0.2701, 0.2348 looks on a white 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

Black Background



This preview shows how the Yxy color 18.0139, 0.2701, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

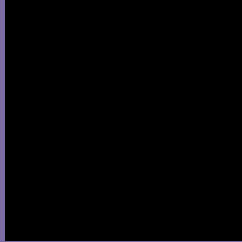
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0139, 0.2701, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 18.0139, 0.2701, 0.2348.



This preview shows how white text looks on a background with the Yxy color 18.0139, 0.2701, 0.2348.

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

18.0139, 0.2701, 0.2348

Protanopia

18.1404, 0.2416, 0.2325

Deuteranopia

18.0187, 0.2506, 0.2447



Tritanopia

18.0805, 0.3035, 0.3118

Trichromacy



Original Color

18.0139, 0.2701, 0.2348

Protanomaly

17.9260, 0.2507, 0.2320

Deuteranomaly

17.8701, 0.2569, 0.2396

Tritanomaly

17.9930, 0.2915, 0.2814

Monochromacy



Original Color

18.0139, 0.2701, 0.2348

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4059, 0.2972, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0139, 0.2701, 0.2348 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(125, 109, 165)` looks like.

```
.text, #text, p{  
    color:rgb(125, 109, 165)  
}
```

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(125, 109, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 109, 165) }
```

Border

The CSS property to change the border of an element to Yxy 18.0139, 0.2701, 0.2348 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(125, 109, 165) }
```

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

```
.border{ border-color:rgb(125, 109, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 109, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 109, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 109, 165);  
box-shadow:4px 4px 4px 4px rgb(125, 109,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0139, 0.2701, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 109, 165) }
```

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

```
.background{ background-color: rgb(125,  
109, 165) }
```

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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