

Converting Colors

$Y_{xy}(16.5748, 0.2768, 0.2108)$

Have a look what the booklet for
Yxy(16.5748, 0.2768, 0.2108)
contains.

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Color

Yxy(16.5864, 0.2774, 0.2115)

Conversions

Conversions Part 1

Format	Color
Hex	8960AA
RGB	137, 96, 170
RGB Percent	54%, 38%, 67%
CMY	0.4627, 0.6235, 0.3334
CMYK	0.19, 0.44, 0.00, 0.33
HSL	273°, 30%, 52%
HSV	273°, 44%, 67%
XYZ	21.7545, 16.5864, 40.0818
YIQ	116.6950, 0.6820, 31.7060

Conversions

Conversions Part 2

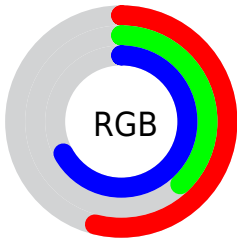
Format	Color
R_{YB}	137, 96, 170
Decimal	9003178
CIE _{Lab}	47.73, 31.13, -33.45
CIE _{LCh}	48, 45.695, 312.943
Yxy	16.5864, 0.2774, 0.2115
Android (android.graphics.Color)	4287193258 (0xFF8960AA)
YUV	116.6950, 26.2794, 17.8075
Hunter-Lab	40.7264, 24.0765, -29.8432

Details

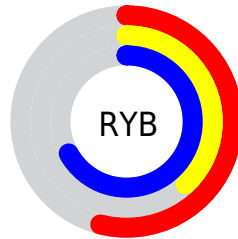
The Yxy color $16.5864, 0.2774, 0.2115$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.2588, 0.3354, 0.4500$, and the grayscale version is $17.6077, 0.3127, 0.3290$.

A 20% lighter version of the original color is $37.5649, 0.2864, 0.2344$, and $5.3296, 0.2604, 0.1732$ is the 20% darker color. If you saturate the color by 10%, you get $13.1949, 0.2665, 0.1834$, and if you desaturate by 10%, it is $20.6950, 0.2874, 0.2401$.

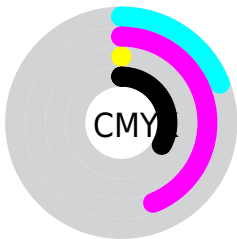
Distribution



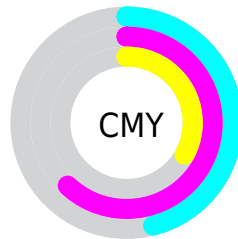
- Red (54%)
- Green (38%)
- Blue (67%)



- Red (54%)
- Yellow (38%)
- Blue (67%)



- Cyan (19%)
- Magenta (44%)
- Yellow (0%)
- Black (33%)




- Cyan (46%)
- Magenta (62%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5864, 0.2774, 0.2115 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 16.5864, 0.2774, 0.2115 by changing the saturation by 10% instead.


 16.5864, 0.2774,
0.2115


 16.5864, 0.2774,
0.2115


232.7775, 0.2992,
0.2743


 9.9400, 0.2703,
0.1948


 37.6133, 0.2865,
0.2351


 5.3592, 0.2601,
0.1730


 52.7626, 0.2895,
0.2438

 2.4595, 0.2445,
0.1438

 71.5150, 0.2919,
0.2510

 0.8563, 0.2187,
0.1036

 94.2549, 0.2939,
0.2571

 0.0000, 0.1705,
0.0000

121.3667, 0.2956,
0.2623

 0.0000, 0.0000,
0.0000

153.2348, 0.2970,

0.2668

190.2436, 0.2982,
0.2708

■ 16.5864, 0.2774,
0.2115

■ 16.5864, 0.2774,
0.2115

■ 13.1949, 0.2665,
0.1834

■ 20.6950, 0.2874,
0.2401

■ 10.4738, 0.2549,
0.1572

■ 25.5592, 0.2962,
0.2683

■ 8.3742, 0.2431,
0.1342

■ 31.2174, 0.3040,
0.2953

■ 6.8388, 0.2315,
0.1156

■ 37.7044, 0.3106,
0.3206

■ 5.7998, 0.2206,
0.1021

■ 45.0532, 0.3162,
0.3438

■ 5.2918, 0.2138,
0.0952

■ 53.2947, 0.3209,
0.3650

■ 62.4585, 0.3248,
0.3842

■ 72.5726, 0.3280,
0.4014

■ 83.6640, 0.3307,
0.4168

Harmonies

Analogous

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



16.5864, 0.2087, 0.1968



16.5864, 0.2774, 0.2115



16.5864, 0.3683, 0.2489

Triad

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



16.5864, 0.2774, 0.2115



16.5864, 0.4697, 0.4283



16.5864, 0.1875, 0.3354

Complementary

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



16.5864, 0.2774, 0.2115



34.2588, 0.3354, 0.4500

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.



16.5864, 0.2455, 0.4343



16.5864, 0.2774, 0.2115



16.5864, 0.4083, 0.4814

Square

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



16.5864, 0.2774, 0.2115



16.5864, 0.4892, 0.3646



16.5864, 0.3265, 0.4928



16.5864, 0.1632, 0.2535

Rectangle

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



16.5864, 0.2774, 0.2115



16.5864, 0.4272, 0.2835



16.5864, 0.3265, 0.4928



16.5864, 0.2033, 0.3688

Sweetspot

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



16.5871, 0.2774, 0.2115



56.9638, 0.3042, 0.2961



21.1687, 0.2429, 0.2575



12.1786, 0.3026, 0.2904



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.



16.5871, 0.2774, 0.2115



24.2664, 0.2672, 0.1850



19.6760, 0.3221, 0.2290



7.4977, 0.3069, 0.3063



3.9265, 0.2149, 0.0957



0.1252, 0.2500, 0.1151

Inverse Universe

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



18.4969, 0.3731, 0.2792



28.3811, 0.3931, 0.2692



32.1486, 0.3039, 0.4548



7.5958, 0.3219, 0.3190



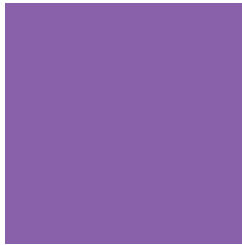
6.6794, 0.5148, 0.2609



0.1729, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 16.5864, 0.2774, 0.2115 looks on a white background.

Color Contrast Check

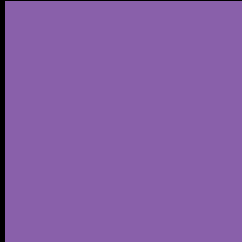
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5864, 0.2774, 0.2115 looks on a black 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

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

Yxy 16.5864, 0.2774, 0.2115

Background



This preview shows how black text looks on a background with the Yxy color 16.5864, 0.2774, 0.2115.

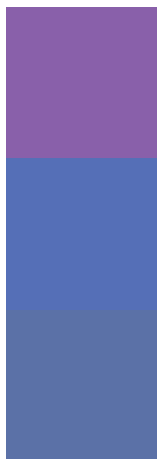


This preview shows how white text looks on a background with the Yxy color 16.5864, 0.2774, 0.2115.

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

16.5864, 0.2774, 0.2115

Protanopia

16.7191, 0.2198, 0.2044

Deuteranopia

16.8244, 0.2358, 0.2307



Tritanopia

16.5753, 0.3299, 0.3139

Trichromacy



Original Color

16.5864, 0.2774, 0.2115

Protanomaly

16.4655, 0.2372, 0.2067

Deuteranomaly

16.5307, 0.2491, 0.2225

Tritanomaly

16.5035, 0.3087, 0.2717

Monochromacy



Original Color

16.5864, 0.2774, 0.2115

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.9999, 0.2996, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5864, 0.2774, 0.2115 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(137, 96, 170)` looks like.

```
.text, #text, p{  
    color:rgb(137, 96, 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(137, 96, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 96, 170) }
```

Border

The CSS property to change the border of an element to Yxy 16.5864, 0.2774, 0.2115 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(137, 96, 170) }
```

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

```
.border{ border-color:rgb(137, 96, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 96, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 96, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 96, 170);  
box-shadow:4px 4px 4px 4px rgb(137, 96,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5864, 0.2774, 0.2115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 96, 170) }
```

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

```
.background{ background-color: rgb(137, 96,  
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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