

Converting Colors

$Y_{xy}(17.1658, 0.2707, 0.2257)$

Have a look what the booklet for
Yxy(17.1658, 0.2707, 0.2257)
contains.

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Color

Yxy(17.1658, 0.2707, 0.2257)

Conversions

Conversions Part 1

Format	Color
Hex	7F68A6
RGB	127, 104, 166
RGB Percent	50%, 41%, 65%
CMY	0.5018, 0.5922, 0.3490
CMYK	0.23, 0.37, 0.00, 0.35
HSL	262°, 26%, 53%
HSV	262°, 37%, 65%
XYZ	20.5883, 17.1658, 38.3017
YIQ	117.9450, -6.1940, 24.1580

Conversions

Conversions Part 2

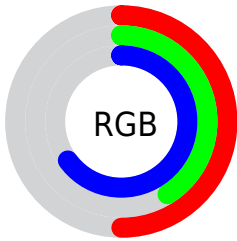
Format	Color
R_{YB}	127, 104, 166
Decimal	8349862
CIE _{Lab}	48.47, 22.40, -30.03
CIE _{LCh}	48, 37.466, 306.722
Yxy	17.1658, 0.2707, 0.2257
Android (android.graphics.Color)	4286539942 (0xFF7F68A6)
YUV	117.9450, 23.6911, 7.9412
Hunter-Lab	41.4316, 16.1953, -25.8088

Details

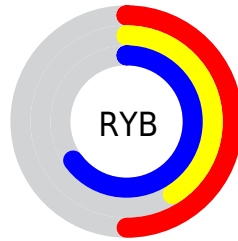
The Yxy color **17.1658, 0.2707, 0.2257** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.1056, 0.3441, 0.4274**, and the grayscale version is **18.0257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4869, 0.2812, 0.2470**, and **5.6777, 0.2512, 0.1907** is the 20% darker color. If you saturate the color by 10%, you get **13.3874, 0.2562, 0.1948**, and if you desaturate by 10%, it is **21.6863, 0.2840, 0.2559**.

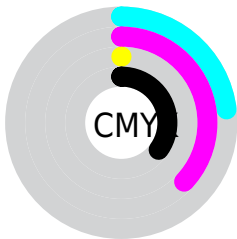
Distribution



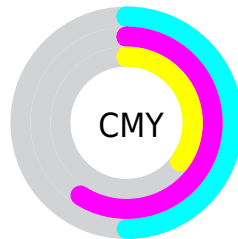
- Red (50%)
- Green (41%)
- Blue (65%)



- Red (50%)
- Yellow (41%)
- Blue (65%)



- Cyan (23%)
- Magenta (37%)
- Yellow (0%)
- Black (35%)





- Cyan (50%)
- Magenta (59%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1658, 0.2707, 0.2257 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 17.1658, 0.2707, 0.2257 by changing the saturation by 10% instead.


 17.1658, 0.2707,
0.2257


 17.1658, 0.2707,
0.2257


236.1260, 0.2957,
0.2817


 10.3528, 0.2629,
0.2104


 38.6106, 0.2809,
0.2470


 5.6335, 0.2518,
0.1901


 54.0112, 0.2844,
0.2548

 2.6235, 0.2350,
0.1623

 73.0431, 0.2872,
0.2612

 0.9385, 0.2077,
0.1226

 96.0907, 0.2895,
0.2666

 0.0000, 0.1457,
0.0000

123.5384, 0.2914,
0.2712

 0.0000, 0.0000,
0.0000

155.7706, 0.2931,

0.2752

193.1717, 0.2945,
0.2786

■ 17.1658, 0.2707,
0.2257

■ 17.1658, 0.2707,
0.2257

■ 13.3874, 0.2562,
0.1948

■ 21.6863, 0.2840,
0.2559

■ 10.3077, 0.2408,
0.1645

■ 26.9848, 0.2958,
0.2845

■ 7.8819, 0.2250,
0.1364


■ 33.0974, 0.3061,
0.3110

■ 6.0590, 0.2098,
0.1121


■ 40.0573, 0.3149,
0.3352


■ 4.7798, 0.1958,
0.0932

■ 47.8956, 0.3225,
0.3569

 3.9532, 0.1837,
0.0800

 56.6422, 0.3289,
0.3762

 3.7667, 0.1808,
0.0769

 66.3252, 0.3343,
0.3934

 76.9717, 0.3388,
0.4086

 88.6076, 0.3426,
0.4221

Harmonies

Analogous

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



17.1658, 0.2173, 0.2181



17.1658, 0.2707, 0.2257



17.1658, 0.3430, 0.2542

Triad

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



17.1658, 0.2707, 0.2257



17.1658, 0.4499, 0.4050



17.1658, 0.2174, 0.3521

Complementary

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



17.1658, 0.2707, 0.2257



34.1056, 0.3441, 0.4274

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.



17.1658, 0.2722, 0.4258



17.1658, 0.2707, 0.2257



17.1658, 0.4070, 0.4491

Square

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



17.1658, 0.2707, 0.2257



17.1658, 0.4541, 0.3512



17.1658, 0.3417, 0.4626



17.1658, 0.1893, 0.2806

Rectangle

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



17.1658, 0.2707, 0.2257



17.1658, 0.3920, 0.2824



17.1658, 0.3417, 0.4626



17.1658, 0.2331, 0.3783

Sweetspot

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



17.1665, 0.2707, 0.2257



55.6198, 0.3023, 0.3011



25.4188, 0.2561, 0.2899



12.1230, 0.3009, 0.2977



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



17.1665, 0.2707, 0.2257



25.2546, 0.2584, 0.1995



19.8937, 0.3069, 0.2359



7.4312, 0.3042, 0.3061



2.9459, 0.1817, 0.0774



0.1009, 0.2217, 0.0995

Inverse Universe

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



19.9874, 0.3459, 0.2698



31.2738, 0.3564, 0.2565



31.7316, 0.3147, 0.4371



7.6186, 0.3192, 0.3149



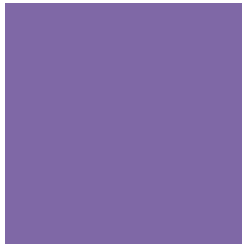
7.0759, 0.4399, 0.2197



0.1815, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 17.1658, 0.2707, 0.2257 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 17.1658, 0.2707, 0.2257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

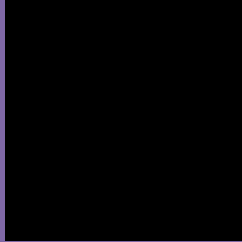
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1658, 0.2707, 0.2257

Background



This preview shows how black text looks on a background with the Yxy color 17.1658, 0.2707, 0.2257.

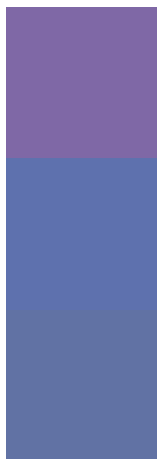


This preview shows how white text looks on a background with the Yxy color 17.1658, 0.2707, 0.2257.

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

17.1658, 0.2707, 0.2257

Protanopia

17.2459, 0.2334, 0.2216

Deuteranopia

17.2564, 0.2437, 0.2383



Tritanopia

17.1373, 0.3096, 0.3117

Trichromacy



Original Color

17.1658, 0.2707, 0.2257

Protanomaly

17.1563, 0.2455, 0.2232

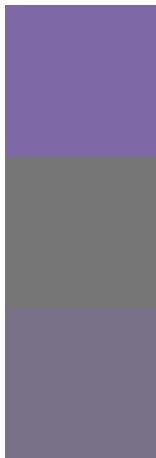
Deuteranomaly

17.0566, 0.2523, 0.2320

Tritanomaly

17.1244, 0.2948, 0.2775

Monochromacy



Original Color

17.1658, 0.2707, 0.2257

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.6245, 0.2970, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1658, 0.2707, 0.2257 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(127, 104, 166)` looks like.

```
.text, #text, p{  
    color:rgb(127, 104, 166)  
}
```

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(127, 104, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 104, 166) }
```

Border

The CSS property to change the border of an element to Yxy 17.1658, 0.2707, 0.2257 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(127, 104, 166) }
```

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

```
.border{ border-color:rgb(127, 104, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 104, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 104, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 104, 166);  
box-shadow:4px 4px 4px 4px rgb(127, 104,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1658, 0.2707, 0.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 104, 166) }
```

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

```
.background{ background-color: rgb(127,  
104, 166) }
```

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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