

Converting Colors

$Y_{xy}(17.4705, 0.2770, 0.2362)$

Have a look what the booklet for
Yxy(17.4705, 0.2770, 0.2362)
contains.

Yxy(17.4705, 0.2770, 0.2362)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.4705, 0.2770, 0.2362)

Conversions

Conversions Part 1

Format	Color
Hex	806AA1
RGB	128, 106, 161
RGB Percent	50%, 42%, 63%
CMY	0.4980, 0.5843, 0.3687
CMYK	0.20, 0.34, 0.00, 0.37
HSL	264°, 23%, 52%
HSV	264°, 34%, 63%
XYZ	20.4883, 17.4705, 36.0061
YIQ	118.8480, -4.5430, 21.7690

Conversions

Conversions Part 2

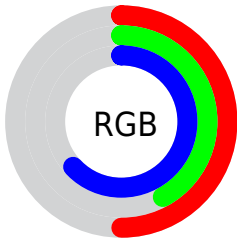
Format	Color
RYB	128, 106, 161
Decimal	8415905
CIELab	48.85, 20.28, -26.50
CIELCh	49, 33.369, 307.429
Yxy	17.4705, 0.2770, 0.2362
Android (android.graphics.Color)	4286605985 (0xFF806AA1)
YUV	118.8480, 20.7809, 8.0263
Hunter-Lab	41.7977, 14.3505, -21.8162

Details

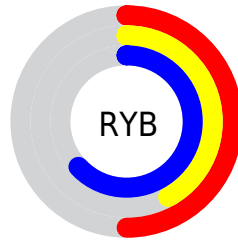
The Yxy color $17.4705, 0.2770, 0.2362$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $32.0160, 0.3400, 0.4188$, and the grayscale version is $18.3319, 0.3127, 0.3290$.

A 20% lighter version of the original color is $39.0169, 0.2860, 0.2551$, and $5.7499, 0.2615, 0.2028$ is the 20% darker color. If you saturate the color by 10%, you get $13.7448, 0.2635, 0.2058$, and if you desaturate by 10%, it is $21.8918, 0.2892, 0.2657$.

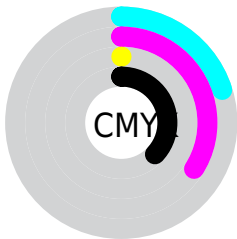
Distribution



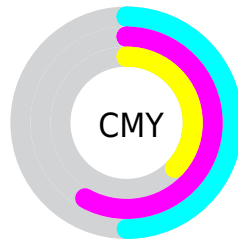
- Red (50%)
- Green (42%)
- Blue (63%)



- Red (50%)
- Yellow (42%)
- Blue (63%)



- Cyan (20%)
- Magenta (34%)
- Yellow (0%)
- Black (37%)



- Cyan (50%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4705, 0.2770, 0.2362 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 17.4705, 0.2770, 0.2362 by changing the saturation by 10% instead.


 17.4705, 0.2770,
0.2362


 17.4705, 0.2770,
0.2362


237.8693, 0.2983,
0.2869

 10.5705, 0.2703,
0.2222


 39.1330, 0.2857,
0.2556


 5.7788, 0.2607,
0.2033


 54.6643, 0.2886,
0.2626

 2.7111, 0.2461,
0.1771

 73.8414, 0.2910,
0.2684

 0.9828, 0.2216,
0.1386

 97.0489, 0.2930,
0.2733

 0.0000, 0.1626,
0.0000

124.6710, 0.2946,
0.2774

 0.0000, 0.0000,
0.0000

157.0922, 0.2960,

0.2810

194.6968, 0.2972,
0.2841

■ 17.4705, 0.2770,
0.2362

■ 17.4705, 0.2770,
0.2362

■ 13.7448, 0.2635,
0.2058

■ 21.8918, 0.2892,
0.2657

■ 10.6757, 0.2490,
0.1756

■ 27.0408, 0.2999,
0.2934

■ 8.2235, 0.2339,
0.1471

■ 32.9500, 0.3092,
0.3190

■ 6.3430, 0.2189,
0.1218

■ 39.6492, 0.3172,
0.3423

■ 4.9827, 0.2048,
0.1013

■ 47.1668, 0.3240,
0.3633

■ 4.0809, 0.1921,
0.0865

■ 55.5296, 0.3297,
0.3820

■ 3.6763, 0.1855,
0.0795

■ 64.7632, 0.3345,
0.3986

■ 74.8922, 0.3386,
0.4134

■ 85.9401, 0.3419,
0.4265

Harmonies

Analogous

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



17.4705, 0.2280, 0.2291



17.4705, 0.2770, 0.2362



17.4705, 0.3416, 0.2626

Triad

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



17.4705, 0.2770, 0.2362



17.4705, 0.4347, 0.3998



17.4705, 0.2268, 0.3483

Complementary

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



17.4705, 0.2770, 0.2362



32.0160, 0.3400, 0.4188

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.



17.4705, 0.2760, 0.4123



17.4705, 0.2770, 0.2362



17.4705, 0.3966, 0.4372

Square

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



17.4705, 0.2770, 0.2362



17.4705, 0.4385, 0.3516



17.4705, 0.3382, 0.4461



17.4705, 0.2014, 0.2857

Rectangle

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



17.4705, 0.2770, 0.2362



17.4705, 0.3845, 0.2885



17.4705, 0.3382, 0.4461



17.4705, 0.2409, 0.3711

Sweetspot

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



17.4712, 0.2770, 0.2362



52.4663, 0.3038, 0.3039



24.1017, 0.2605, 0.2906



11.2083, 0.3025, 0.3004



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.



17.4712, 0.2770, 0.2362



26.1009, 0.2668, 0.2131



19.8994, 0.3099, 0.2447



6.9917, 0.3046, 0.3062



2.9589, 0.1863, 0.0800



0.0893, 0.2297, 0.1039

Inverse Universe

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



19.7492, 0.3442, 0.2774



30.9151, 0.3539, 0.2657



29.9396, 0.3130, 0.4267



7.1540, 0.3196, 0.3156



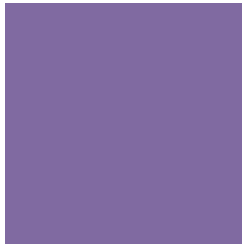
6.7431, 0.4510, 0.2258



0.1507, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 17.4705, 0.2770, 0.2362 looks on a white background.

Color Contrast Check

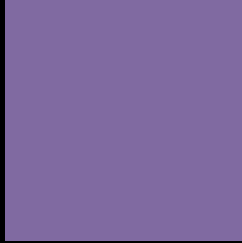
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4705, 0.2770, 0.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

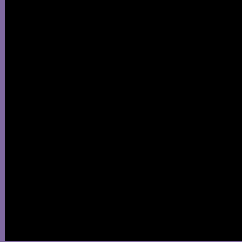
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4705, 0.2770, 0.2362

Background



This preview shows how black text looks on a background with the Yxy color 17.4705, 0.2770, 0.2362.



This preview shows how white text looks on a background with the Yxy color 17.4705, 0.2770, 0.2362.

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

17.4705, 0.2770, 0.2362

Protanopia

17.5144, 0.2424, 0.2329

Deuteranopia

17.6482, 0.2537, 0.2490



Tritanopia

17.5296, 0.3109, 0.3119

Trichromacy



Original Color

17.4705, 0.2770, 0.2362

Protanomaly

17.4005, 0.2546, 0.2343

Deuteranomaly

17.5712, 0.2612, 0.2439

Tritanomaly

17.4601, 0.2984, 0.2815

Monochromacy



Original Color

17.4705, 0.2770, 0.2362

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.8934, 0.2994, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4705, 0.2770, 0.2362 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(128, 106, 161)` looks like.

```
.text, #text, p{  
    color:rgb(128, 106, 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(128, 106, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 106, 161) }
```

Border

The CSS property to change the border of an element to Yxy 17.4705, 0.2770, 0.2362 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(128, 106, 161) }
```

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

```
.border{ border-color:rgb(128, 106, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 106, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 106, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 106, 161);  
box-shadow:4px 4px 4px 4px rgb(128, 106,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4705, 0.2770, 0.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 106, 161) }
```

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

```
.background{ background-color: rgb(128,  
106, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor