

Converting Colors

$Y_{xy}(17.8839, 0.3055, 0.2796)$

Have a look what the booklet for
Yxy(17.8839, 0.3055, 0.2796)
contains.

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Color

Yxy(17.8121, 0.3061, 0.2792)

Conversions

Conversions Part 1

Format	Color
Hex	836E8A
RGB	131, 110, 138
RGB Percent	51%, 43%, 54%
CMY	0.4861, 0.5687, 0.4588
CMYK	0.05, 0.20, 0.00, 0.46
HSL	285°, 11%, 49%
HSV	285°, 20%, 54%
XYZ	19.5282, 17.8121, 26.4566
YIQ	119.4710, 3.5280, 13.1600

Conversions

Conversions Part 2

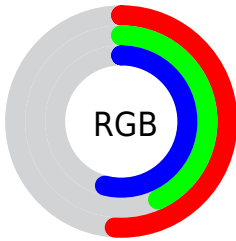
Format	Color
R _Y B	131, 110, 138
Decimal	8613514
CIE Lab	49.27, 13.71, -12.27
CIE LCh	49, 18.402, 318.175
Yxy	17.8121, 0.3061, 0.2792
Android (android.graphics.Color)	4286803594 (0xFF836E8A)
YUV	119.4710, 9.1348, 10.1109
Hunter-Lab	42.2044, 8.7354, -7.6239

Details

The Yxy color **17.8121, 0.3061, 0.2792** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.0839, 0.3179, 0.3815**, and the grayscale version is **18.5760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7926, 0.3081, 0.2912**, and **5.8992, 0.3018, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **14.7938, 0.3019, 0.2533**, and if you desaturate by 10%, it is **21.3048, 0.3097, 0.3044**.

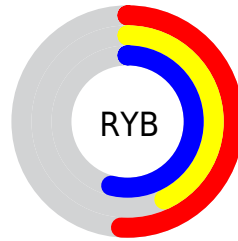
Distribution



Red (51%)

Green (43%)

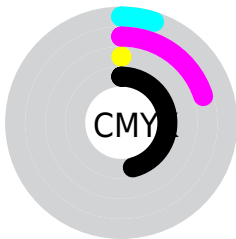
Blue (54%)



Red (51%)

Yellow (43%)

Blue (54%)

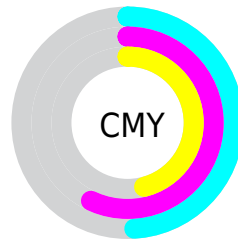


Cyan (5%)

Magenta (20%)

Yellow (0%)

Black (46%)



Cyan (49%)


Magenta (57%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8121, 0.3061, 0.2792 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 17.8121, 0.3061, 0.2792 by changing the saturation by 10% instead.


 17.8121, 0.3061,
0.2792


 17.8121, 0.3061,
0.2792


239.8098, 0.3103,
0.3072

 10.8152, 0.3047,
0.2710


 39.7169, 0.3079,
0.2902


 5.9427, 0.3025,
0.2596


 55.3935, 0.3085,
0.2941

 2.8103, 0.2988,
0.2426

 74.7322, 0.3089,
0.2972

 1.0335, 0.2918,
0.2151

 98.1173, 0.3093,
0.2999

 0.0000, 0.2508,
0.0000

125.9332, 0.3096,
0.3021

 0.0000, 0.0000,
0.0000

158.5643, 0.3099,

0.3040

196.3951, 0.3101,
0.3057

■ 17.8121, 0.3061,
0.2792

■ 17.8121, 0.3061,
0.2792

■ 14.7938, 0.3019,
0.2533

■ 21.3048, 0.3097,
0.3044

■ 12.2262, 0.2971,
0.2274

■ 25.2897, 0.3126,
0.3283

■ 10.0869, 0.2916,
0.2023

■ 29.7866, 0.3151,
0.3507

■ 8.3504, 0.2857,
0.1791

■ 34.8134, 0.3170,
0.3714

■ 6.9890, 0.2794,
0.1587

■ 40.3871, 0.3186,
0.3904

■ 5.9709, 0.2729,
0.1420

■ 46.5240, 0.3198,
0.4077

■ 5.2593, 0.2663,
0.1297

■ 53.2396, 0.3207,
0.4233

■ 4.7592, 0.2601,
0.1207

■ 60.5491, 0.3214,
0.4374

■ 68.4667, 0.3218,
0.4501

Harmonies

Analogous

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



17.8121, 0.2737, 0.2711



17.8121, 0.3061, 0.2792



17.8121, 0.3421, 0.2988

Triad

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



17.8121, 0.3061, 0.2792



17.8121, 0.3755, 0.3796



17.8121, 0.2572, 0.3281

Complementary

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



17.8121, 0.3061, 0.2792



23.0839, 0.3179, 0.3815

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.



17.8121, 0.2821, 0.3620



17.8121, 0.3061, 0.2792



17.8121, 0.3504, 0.3922

Square

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



17.8121, 0.3061, 0.2792



17.8121, 0.3834, 0.3549



17.8121, 0.3161, 0.3864



17.8121, 0.2468, 0.2968

Rectangle

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



17.8121, 0.3061, 0.2792



17.8121, 0.3628, 0.3163



17.8121, 0.3161, 0.3864



17.8121, 0.2641, 0.3397

Sweetspot

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



17.8129, 0.3061, 0.2792



40.3733, 0.3110, 0.3145



17.8704, 0.2811, 0.2890



8.9723, 0.3108, 0.3132



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.8129, 0.3061, 0.2792



29.0549, 0.3044, 0.2684



18.1920, 0.3237, 0.2922



5.0674, 0.3100, 0.3072



4.3700, 0.2603, 0.1208



0.0359, 0.2906, 0.1375

Inverse Universe

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



17.8366, 0.3419, 0.3166



29.1221, 0.3496, 0.3138



22.7778, 0.3033, 0.3689



5.0677, 0.3244, 0.3236



5.0638, 0.5869, 0.3007



0.0357, 0.4846, 0.2443

Previews

White Background



This preview shows how the Yxy color 17.8121, 0.3061, 0.2792 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 17.8121, 0.3061, 0.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

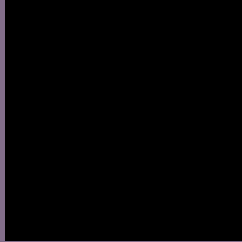
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8121, 0.3061, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 17.8121, 0.3061, 0.2792.



This preview shows how white text looks on a background with the Yxy color 17.8121, 0.3061, 0.2792.

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

17.8121, 0.3061, 0.2792

Protanopia

17.8233, 0.2780, 0.2802

Deuteranopia

17.7627, 0.2924, 0.2863



Tritanopia

17.8825, 0.3227, 0.3124

Trichromacy



Original Color

17.8121, 0.3061, 0.2792

Protanomaly

17.8093, 0.2869, 0.2792

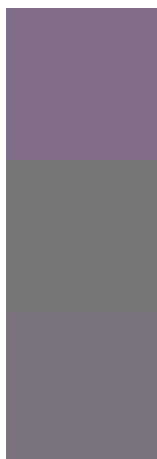
Deuteranomaly

17.8274, 0.2972, 0.2850

Tritanomaly

17.8927, 0.3167, 0.2999

Monochromacy



Original Color

17.8121, 0.3061, 0.2792

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2081, 0.3098, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8121, 0.3061, 0.2792 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(131, 110, 138)` looks like.

```
.text, #text, p{  
    color:rgb(131, 110, 138)  
}
```

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(131, 110, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 110, 138) }
```

Border

The CSS property to change the border of an element to Yxy 17.8121, 0.3061, 0.2792 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(131, 110, 138) }
```

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

```
.border{ border-color:rgb(131, 110, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 110, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 110, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 110, 138);  
box-shadow:4px 4px 4px 4px rgb(131, 110,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8121, 0.3061, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 110, 138) }
```

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

```
.background{ background-color: rgb(131,  
110, 138) }
```

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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