

Converting Colors

$Y_{xy}(17.8766, 0.3336, 0.3128)$

Have a look what the booklet for
Yxy(17.8766, 0.3336, 0.3128)
contains.

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Color

Yxy(17.8758, 0.3336, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	876F78
RGB	135, 111, 120
RGB Percent	53%, 44%, 47%
CMY	0.4706, 0.5647, 0.5295
CMYK	0.00, 0.18, 0.11, 0.47
HSL	338°, 10%, 48%
HSV	338°, 18%, 53%
XYZ	19.0645, 17.8758, 20.2074
YIQ	119.2020, 11.4150, 7.8870

Conversions

Conversions Part 2

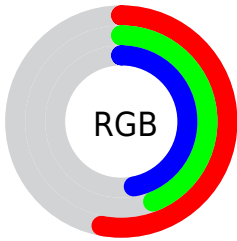
Format	Color
R_{YB}	135, 111, 120
Decimal	8875896
CIE _{Lab}	49.35, 11.02, -1.42
CIE _{LCh}	49, 11.115, 352.675
Yxy	17.8758, 0.3336, 0.3128
Android (android.graphics.Color)	4287065976 (0xFF876F78)
YUV	119.2020, 0.3934, 13.8548
Hunter-Lab	42.2798, 6.4982, 1.2585

Details

The Yxy color **17.8758, 0.3336, 0.3128** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.2136, 0.2956, 0.3458**, and the grayscale version is **18.5110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8643, 0.3284, 0.3172**, and **5.9542, 0.3419, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **14.9534, 0.3489, 0.3031**, and if you desaturate by 10%, it is **21.2631, 0.3210, 0.3221**.

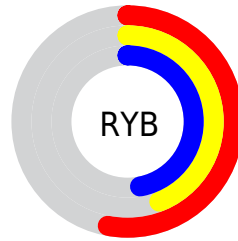
Distribution



Red (53%)

Green (44%)

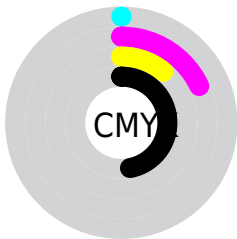
Blue (47%)



Red (53%)

Yellow (44%)

Blue (47%)

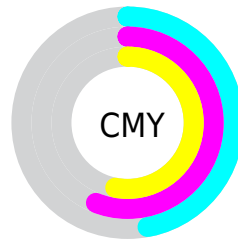


Cyan (0%)

Magenta (18%)

Yellow (11%)

Black (47%)



Cyan (47%)


Magenta (56%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8758, 0.3336, 0.3128 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 17.8758, 0.3336, 0.3128 by changing the saturation by 10% instead.


 17.8758, 0.3336,
0.3128


 17.8758, 0.3336,
0.3128


240.1701, 0.3215,
0.3221


 10.8609, 0.3373,
0.3099


 39.8256, 0.3287,
0.3165


 5.9733, 0.3427,
0.3058


 55.5292, 0.3271,
0.3178

 2.8289, 0.3511,
0.2995

 74.8978, 0.3257,
0.3189

 1.0431, 0.3659,
0.2885

 98.3159, 0.3246,
0.3198

 0.0000, 0.9086,
0.0000

126.1677, 0.3236,
0.3205

 0.0000, 0.0000,
0.0000

158.8378, 0.3228,

0.3211

196.7104, 0.3221,
0.3217

■ 17.8758, 0.3336,
0.3128

■ 17.8758, 0.3336,
0.3128

■ 14.9534, 0.3489,
0.3031

■ 21.2631, 0.3210,
0.3221

■ 12.4733, 0.3672,
0.2933

■ 25.1321, 0.3106,
0.3309

■ 10.4142, 0.3889,
0.2840

■ 29.5017, 0.3020,
0.3391

■ 8.7524, 0.4141,
0.2758

■ 34.3888, 0.2949,
0.3466

■ 7.4616, 0.4426,
0.2699

■ 39.8098, 0.2891,
0.3535

■ 6.5126, 0.4734,
0.2672

■ 45.7803, 0.2842,
0.3598

■ 5.8713, 0.5048,
0.2689

■ 52.3152, 0.2802,
0.3655

■ 5.4671, 0.5351,
0.2747

■ 59.4288, 0.2768,
0.3708

■ 5.3849, 0.5420,
0.2759

■ 67.1350, 0.2739,
0.3756

Harmonies

Analogous

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



17.8758, 0.3123, 0.2995



17.8758, 0.3336, 0.3128



17.8758, 0.3495, 0.3303

Triad

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



17.8758, 0.3336, 0.3128



17.8758, 0.3331, 0.3669



17.8758, 0.2720, 0.3077

Complementary

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



17.8758, 0.3336, 0.3128



22.2136, 0.2956, 0.3458

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.



17.8758, 0.2772, 0.3259



17.8758, 0.3336, 0.3128



17.8758, 0.3120, 0.3612

Square

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



17.8758, 0.3336, 0.3128



17.8758, 0.3490, 0.3617



17.8758, 0.2916, 0.3458



17.8758, 0.2772, 0.2961

Rectangle

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



17.8758, 0.3336, 0.3128



17.8758, 0.3546, 0.3424



17.8758, 0.2916, 0.3458



17.8758, 0.2726, 0.3133

Sweetspot

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



17.8766, 0.3336, 0.3128



39.8367, 0.3180, 0.3245



17.5401, 0.3030, 0.2852



9.1308, 0.3187, 0.3240



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.



17.8766, 0.3336, 0.3128



29.9835, 0.3389, 0.3092



18.2893, 0.3446, 0.3342



4.7154, 0.3225, 0.3209



4.9684, 0.5411, 0.2754



0.0185, 0.4386, 0.2190

Inverse Universe

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



17.8766, 0.3336, 0.3128



29.9835, 0.3389, 0.3092



21.6851, 0.2867, 0.3237



4.7154, 0.3225, 0.3209



4.9684, 0.5411, 0.2754



0.0185, 0.4386, 0.2190

Previews

White Background



This preview shows how the Yxy color 17.8758, 0.3336, 0.3128 looks on a white background.

Color Contrast Check

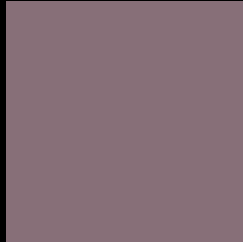
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8758, 0.3336, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

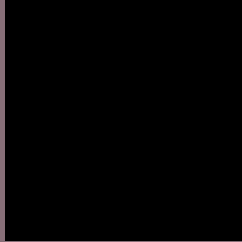
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8758, 0.3336, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 17.8758, 0.3336, 0.3128.



This preview shows how white text looks on a background with the Yxy color 17.8758, 0.3336, 0.3128.

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

17.8758, 0.3336, 0.3128

Protanopia

18.0042, 0.3070, 0.3175

Deuteranopia

17.9557, 0.3249, 0.3197



Tritanopia

17.8758, 0.3336, 0.3128

Trichromacy



Original Color

17.8758, 0.3336, 0.3128

Protanomaly

17.9517, 0.3159, 0.3158

Deuteranomaly

17.9675, 0.3291, 0.3180

Tritanomaly

17.8758, 0.3336, 0.3128

Monochromacy



Original Color

17.8758, 0.3336, 0.3128

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.1827, 0.3207, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8758, 0.3336, 0.3128 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(135, 111, 120)` looks like.

```
.text, #text, p{  
    color:rgb(135, 111, 120)  
}
```

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(135, 111, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 111, 120) }
```

Border

The CSS property to change the border of an element to Yxy 17.8758, 0.3336, 0.3128 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(135, 111, 120) }
```

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

```
.border{ border-color:rgb(135, 111, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 111, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 111, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 111, 120);  
box-shadow:4px 4px 4px 4px rgb(135, 111,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8758, 0.3336, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 111, 120) }
```

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

```
.background{ background-color: rgb(135,  
111, 120) }
```

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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