

Converting Colors

$Y_{xy}(18.7928, 0.3315, 0.3182)$

Have a look what the booklet for
Yxy(18.7928, 0.3315, 0.3182)
contains.

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Color

Yxy(18.7928, 0.3315, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	877379
RGB	135, 115, 121
RGB Percent	53%, 45%, 47%
CMY	0.4705, 0.5491, 0.5254
CMYK	0.00, 0.15, 0.10, 0.47
HSL	342°, 8%, 49%
HSV	342°, 15%, 53%
XYZ	19.5783, 18.7928, 20.6886
YIQ	121.6640, 9.9940, 6.1060

Conversions

Conversions Part 2

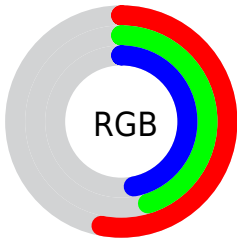
Format	Color
R_{YB}	135, 115, 121
Decimal	8876921
CIE Lab	50.44, 8.89, -0.42
CIE LCh	50, 8.904, 357.290
Yxy	18.7928, 0.3315, 0.3182
Android (android.graphics.Color)	4287067001 (0xFF877379)
YUV	121.6640, -0.3274, 11.6957
Hunter-Lab	43.3507, 4.7516, 2.0500

Details

The Yxy color **18.7928, 0.3315, 0.3182** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.5671, 0.2969, 0.3401**, and the grayscale version is **19.3472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3459, 0.3270, 0.3212**, and **6.4266, 0.3383, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **15.7160, 0.3476, 0.3104**, and if you desaturate by 10%, it is **22.3451, 0.3182, 0.3256**.

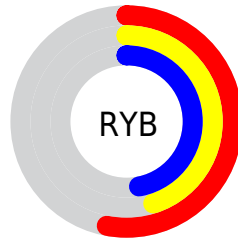
Distribution



Red (53%)

Green (45%)

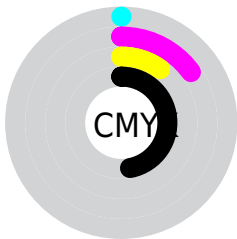
Blue (47%)



Red (53%)

Yellow (45%)

Blue (47%)

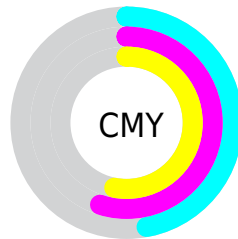


Cyan (0%)

Magenta (15%)

Yellow (10%)

Black (47%)



Cyan (47%)


Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7928, 0.3315, 0.3182 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 18.7928, 0.3315, 0.3182 by changing the saturation by 10% instead.


 18.7928, 0.3315,
0.3182

 18.7928, 0.3315,
0.3182


245.3025, 0.3207,
0.3244


 11.5207, 0.3348,
0.3163


 41.3837, 0.3272,
0.3207


 6.4182, 0.3396,
0.3136


 57.4712, 0.3257,
0.3216

 3.1010, 0.3469,
0.3094

 77.2660, 0.3245,
0.3223

 1.1847, 0.3597,
0.3021

 101.1524, 0.3234,
0.3228

 0.0491, 0.6664,
0.1241

129.5149, 0.3226,
0.3233

 0.0000, 0.0000,
0.0000

162.7378, 0.3219,

0.3237

201.2055, 0.3212,
0.3241

■ 18.7928, 0.3315,
0.3182

■ 18.7928, 0.3315,
0.3182

■ 15.7160, 0.3476,
0.3104

■ 22.3451, 0.3182,
0.3256

■ 13.0921, 0.3672,
0.3025

■ 26.3893, 0.3074,
0.3325

■ 10.9001, 0.3906,
0.2949

■ 30.9443, 0.2985,
0.3389

■ 9.1168, 0.4182,
0.2881

■ 36.0271, 0.2911,
0.3447

■ 7.7163, 0.4498,
0.2830

■ 41.6538, 0.2851,
0.3501

■ 6.6701, 0.4842,
0.2808

■ 47.8401, 0.2800,
0.3549

■ 5.9455, 0.5196,
0.2823

■ 54.6008, 0.2758,
0.3594

■ 5.4979, 0.5530,
0.2881

■ 61.9503, 0.2723,
0.3634

■ 5.3110, 0.5697,
0.2912

■ 69.9025, 0.2694,
0.3672

Harmonies

Analogous

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



18.7928, 0.3151, 0.3069



18.7928, 0.3315, 0.3182



18.7928, 0.3429, 0.3324

Triad

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



18.7928, 0.3315, 0.3182



18.7928, 0.3264, 0.3586



18.7928, 0.2805, 0.3106

Complementary

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



18.7928, 0.3315, 0.3182



22.5671, 0.2969, 0.3401

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.



18.7928, 0.2834, 0.3243



18.7928, 0.3315, 0.3182



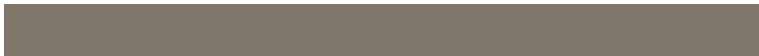
18.7928, 0.3096, 0.3527

Square

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



18.7928, 0.3315, 0.3182



18.7928, 0.3399, 0.3560



18.7928, 0.2939, 0.3400



18.7928, 0.2860, 0.3022

Rectangle

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



18.7928, 0.3315, 0.3182



18.7928, 0.3460, 0.3419



18.7928, 0.2939, 0.3400



18.7928, 0.2806, 0.3147

Sweetspot

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



18.7936, 0.3315, 0.3182



40.5088, 0.3174, 0.3261



18.6520, 0.3064, 0.2930



9.2738, 0.3182, 0.3256



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.



18.7936, 0.3315, 0.3182



31.5817, 0.3369, 0.3155



19.5053, 0.3382, 0.3357



4.7101, 0.3236, 0.3225



4.8968, 0.5688, 0.2907



0.0181, 0.4639, 0.2329

Inverse Universe

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



18.7936, 0.3315, 0.3182



31.5817, 0.3369, 0.3155



21.7238, 0.2908, 0.3222



4.7101, 0.3236, 0.3225



4.8968, 0.5688, 0.2907



0.0181, 0.4639, 0.2329

Previews

White Background



This preview shows how the Yxy color 18.7928, 0.3315, 0.3182 looks on a white background.

Color Contrast Check

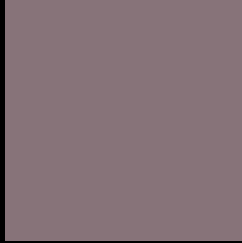
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.7928, 0.3315, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

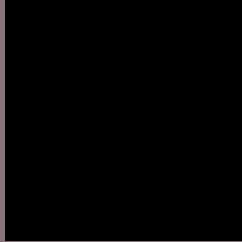
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

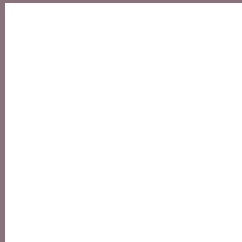
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.7928, 0.3315, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 18.7928, 0.3315, 0.3182.



This preview shows how white text looks on a background with the Yxy color 18.7928, 0.3315, 0.3182.

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

18.7928, 0.3315, 0.3182

Protanopia

18.9531, 0.3094, 0.3215

Deuteranopia

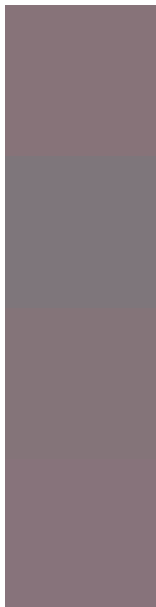
18.6966, 0.3261, 0.3199



Tritanopia

18.8676, 0.3277, 0.3129

Trichromacy



Original Color

18.7928, 0.3315, 0.3182

Protanomaly

18.8225, 0.3169, 0.3197

Deuteranomaly

18.7768, 0.3274, 0.3199

Tritanomaly

18.8424, 0.3290, 0.3147

Monochromacy



Original Color

18.7928, 0.3315, 0.3182

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.1108, 0.3193, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7928, 0.3315, 0.3182 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, 115, 121)` looks like.

```
.text, #text, p{  
    color:rgb(135, 115, 121)  
}
```

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, 115, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 115, 121) }
```

Border

The CSS property to change the border of an element to Yxy 18.7928, 0.3315, 0.3182 is called "border". The border property can be set on classes, ids or directly on the HTML element.

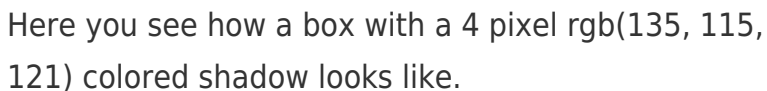
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 115, 121) }
```

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

```
.border{ border-color:rgb(135, 115, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 115, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 115, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 115, 121); box-shadow:4px 4px 4px 4px rgb(135, 115, 121) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7928, 0.3315, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 115, 121) }
```

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

```
.background{ background-color: rgb(135,  
115, 121) }
```

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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