

Converting Colors

$Y_{xy}(19.3650, 0.3192, 0.3241)$

Have a look what the booklet for
Yxy(19.3650, 0.3192, 0.3241)
contains.

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Color

Yxy(19.4522, 0.3192, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	80787B
RGB	128, 120, 123
RGB Percent	50%, 47%, 48%
CMY	0.4981, 0.5294, 0.5176
CMYK	0.00, 0.06, 0.04, 0.50
HSL	337°, 3%, 49%
HSV	337°, 6%, 50%
XYZ	19.1936, 19.4522, 21.4846
YIQ	122.7340, 3.8050, 2.6290

Conversions

Conversions Part 2

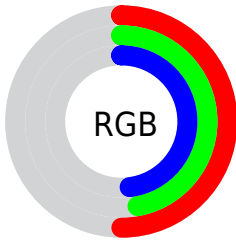
Format	Color
R_{YB}	128, 120, 123
Decimal	8419451
CIE Lab	51.21, 3.64, -0.55
CIE LCh	51, 3.678, 351.358
Yxy	19.4522, 0.3192, 0.3235
Android (android.graphics.Color)	4286609531 (0xFF80787B)
YUV	122.7340, 0.1311, 4.6183
Hunter-Lab	44.1046, 0.4972, 1.9914

Details

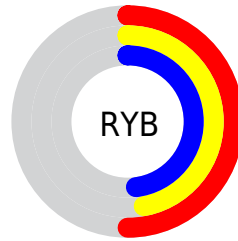
The Yxy color **19.4522, 0.3192, 0.3235** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.9112, 0.3066, 0.3346**, and the grayscale version is **19.7141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4240, 0.3183, 0.3250**, and **6.7914, 0.3227, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **16.3852, 0.3313, 0.3143**, and if you desaturate by 10%, it is **22.9488, 0.3092, 0.3322**.

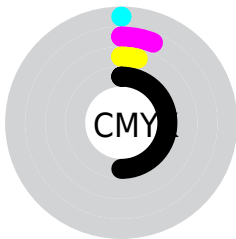
Distribution



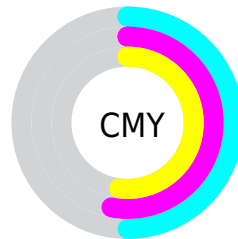
- Red (50%)
- Green (47%)
- Blue (48%)



- Red (50%)
- Yellow (47%)
- Blue (48%)



- Cyan (0%)
- Magenta (6%)
- Yellow (4%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4522, 0.3192, 0.3235 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 19.4522, 0.3192, 0.3235 by changing the saturation by 10% instead.

■ 19.4522, 0.3192,
0.3235

■ 19.4522, 0.3192,
0.3235

248.9339, 0.3155,
0.3267

■ 11.9975, 0.3203,
0.3225

■ 42.4968, 0.3177,
0.3248

■ 6.7420, 0.3219,
0.3212

■ 58.8555, 0.3172,
0.3252

■ 3.3013, 0.3244,
0.3191

■ 78.9510, 0.3168,
0.3256

■ 1.2910, 0.3287,
0.3155

103.1677, 0.3164,
0.3258

■ 0.1342, 0.4041,
0.2507

131.8899, 0.3162,
0.3261

■ 0.0000, 0.0000,
0.0000

165.5021, 0.3159,

0.3263

204.3886, 0.3157,
0.3265

■ 19.4522, 0.3192,
0.3235

■ 19.4522, 0.3192,
0.3235

■ 16.3852, 0.3313,
0.3143

■ 22.9488, 0.3092,
0.3322

■ 13.7287, 0.3460,
0.3046

■ 26.8881, 0.3009,
0.3403

■ 11.4658, 0.3636,
0.2948

■ 31.2859, 0.2941,
0.3477

■ 9.5776, 0.3846,
0.2853

■ 36.1563, 0.2884,
0.3545

■ 8.0435, 0.4090,
0.2769

■ 41.5130, 0.2837,
0.3607

■ 6.8409, 0.4366,
0.2704

■ 47.3690, 0.2798,
0.3664

■ 5.9446, 0.4668,
0.2670

■ 53.7368, 0.2765,
0.3717

■ 5.3258, 0.4980,
0.2678

■ 60.6284, 0.2737,
0.3764

■ 4.9334, 0.5284,
0.2728

■ 68.0557, 0.2714,
0.3808

Harmonies

Analogous

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



19.4522, 0.3124, 0.3191



19.4522, 0.3192, 0.3235



19.4522, 0.3243, 0.3294

Triad

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



19.4522, 0.3192, 0.3235



19.4522, 0.3196, 0.3410



19.4522, 0.2994, 0.3226

Complementary

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



19.4522, 0.3192, 0.3235



20.9112, 0.3066, 0.3346

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.



19.4522, 0.3013, 0.3285



19.4522, 0.3192, 0.3235



19.4522, 0.3129, 0.3392

Square

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



19.4522, 0.3192, 0.3235



19.4522, 0.3245, 0.3395



19.4522, 0.3062, 0.3346



19.4522, 0.3010, 0.3185

Rectangle

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



19.4522, 0.3192, 0.3235



19.4522, 0.3260, 0.3334



19.4522, 0.3062, 0.3346



19.4522, 0.2996, 0.3244

Sweetspot

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



19.4530, 0.3192, 0.3235



36.7430, 0.3148, 0.3272



19.3472, 0.3096, 0.3143



8.6231, 0.3146, 0.3274



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.4530, 0.3192, 0.3235



33.7261, 0.3202, 0.3227



19.6043, 0.3226, 0.3307



4.5060, 0.3203, 0.3226



4.7634, 0.5398, 0.2747



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.4530, 0.3192, 0.3235



33.7261, 0.3202, 0.3227



20.7470, 0.3035, 0.3272



4.5060, 0.3203, 0.3226



4.7634, 0.5398, 0.2747



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.4522, 0.3192, 0.3235 looks on a white background.

Color Contrast Check

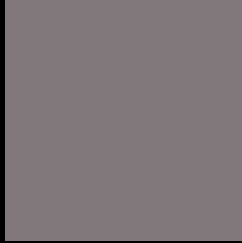
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4522, 0.3192, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

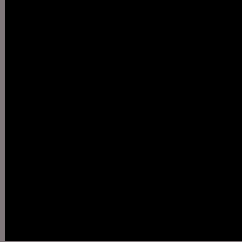
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4522, 0.3192, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 19.4522, 0.3192, 0.3235.



This preview shows how white text looks on a background with the Yxy color 19.4522, 0.3192, 0.3235.

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

19.4522, 0.3192, 0.3235

Protanopia

19.4151, 0.3130, 0.3234

Deuteranopia

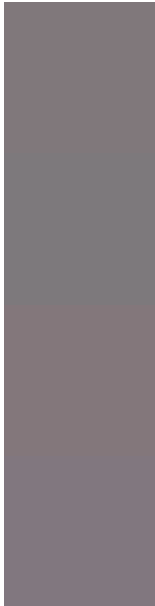
19.3735, 0.3258, 0.3200



Tritanopia

19.4458, 0.3136, 0.3109

Trichromacy



Original Color

19.4522, 0.3192, 0.3235

Protanomaly

19.4900, 0.3142, 0.3235

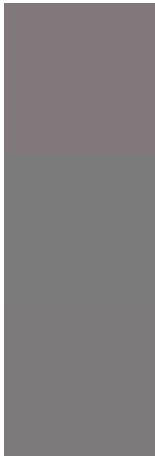
Deuteranomaly

19.4490, 0.3231, 0.3218

Tritanomaly

19.3931, 0.3159, 0.3145

Monochromacy



Original Color

19.4522, 0.3192, 0.3235

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.7091, 0.3153, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4522, 0.3192, 0.3235 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, 120, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 123)  
}
```

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, 120, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 123) }
```

Border

The CSS property to change the border of an element to Yxy 19.4522, 0.3192, 0.3235 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, 120, 123) }
```

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

```
.border{ border-color:rgb(128, 120, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4522, 0.3192, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 123) }
```

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

```
.background{ background-color: rgb(128,  
120, 123) }
```

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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