

Converting Colors

$Y_{xy}(19.1151, 0.3272, 0.3200)$

Have a look what the booklet for
Yxy(19.1151, 0.3272, 0.3200)
contains.

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Color

Yxy(19.1143, 0.3272, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	85757A
RGB	133, 117, 122
RGB Percent	52%, 46%, 48%
CMY	0.4785, 0.5411, 0.5215
CMYK	0.00, 0.12, 0.08, 0.48
HSL	341°, 6%, 49%
HSV	341°, 12%, 52%
XYZ	19.5444, 19.1143, 21.0735
YIQ	122.3540, 7.9310, 4.9470

Conversions

Conversions Part 2

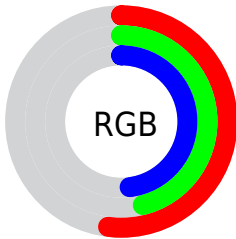
Format	Color
R_{YB}	133, 117, 122
Decimal	8746362
CIE Lab	50.82, 7.10, -0.48
CIE LCh	51, 7.116, 356.131
Yxy	19.1143, 0.3272, 0.3200
Android (android.graphics.Color)	4286936442 (0xFF85757A)
YUV	122.3540, -0.1745, 9.3365
Hunter-Lab	43.7199, 3.2861, 2.0254

Details

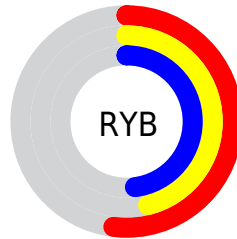
The Yxy color **19.1143, 0.3272, 0.3200** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.1091, 0.3001, 0.3382**, and the grayscale version is **19.5823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8710, 0.3240, 0.3224**, and **6.5763, 0.3335, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **16.0170, 0.3422, 0.3120**, and if you desaturate by 10%, it is **22.6748, 0.3149, 0.3275**.

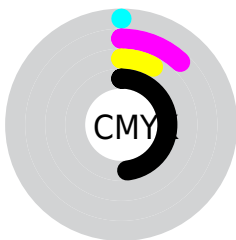
Distribution



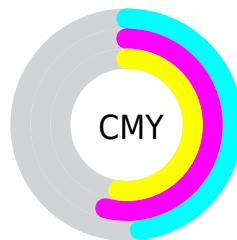
- Red (52%)
- Green (46%)
- Blue (48%)



- Red (52%)
- Yellow (46%)
- Blue (48%)



- Cyan (0%)
- Magenta (12%)
- Yellow (8%)
- Black (48%)





- Cyan (48%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1143, 0.3272, 0.3200 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 19.1143, 0.3272, 0.3200 by changing the saturation by 10% instead.

 19.1143, 0.3272,
0.3200


 19.1143, 0.3272,
0.3200


247.0790, 0.3189,
0.3252


 11.7529, 0.3297,
0.3184


 41.9272, 0.3239,
0.3221

 6.5757, 0.3334,
0.3162


 58.1474, 0.3227,
0.3228

 3.1982, 0.3390,
0.3127

 78.0894, 0.3218,
0.3234

 1.2360, 0.3487,
0.3068

102.1375, 0.3210,
0.3238

 0.0909, 0.5376,
0.1881

130.6761, 0.3204,
0.3243

 0.0000, 0.0000,
0.0000

164.0896, 0.3198,

0.3246

202.7625, 0.3193,
0.3249

■ 19.1143, 0.3272,
0.3200

■ 19.1143, 0.3272,
0.3200

■ 16.0170, 0.3422,
0.3120

■ 22.6748, 0.3149,
0.3275

■ 13.3614, 0.3603,
0.3038

■ 26.7139, 0.3048,
0.3346

■ 11.1279, 0.3821,
0.2957

■ 31.2494, 0.2965,
0.3411

■ 9.2944, 0.4079,
0.2883

■ 36.2975, 0.2897,
0.3470

■ 7.8371, 0.4377,
0.2824

■ 41.8736, 0.2840,
0.3524

■ 6.7293, 0.4707,
0.2789

■ 47.9924, 0.2793,
0.3574

■ 5.9409, 0.5054,
0.2791

■ 54.6681, 0.2754,
0.3619

■ 5.4365, 0.5391,
0.2835

■ 61.9144, 0.2721,
0.3660

■ 5.1489, 0.5649,
0.2885

■ 69.7445, 0.2693,
0.3698

Harmonies

Analogous

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



19.1143, 0.3142, 0.3110



19.1143, 0.3272, 0.3200



19.1143, 0.3364, 0.3314

Triad

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



19.1143, 0.3272, 0.3200



19.1143, 0.3242, 0.3524



19.1143, 0.2870, 0.3148

Complementary

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



19.1143, 0.3272, 0.3200



22.1091, 0.3001, 0.3382

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.



19.1143, 0.2896, 0.3259



19.1143, 0.3272, 0.3200



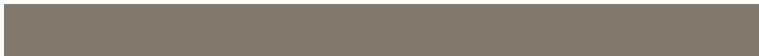
19.1143, 0.3108, 0.3480

Square

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



19.1143, 0.3272, 0.3200



19.1143, 0.3346, 0.3503



19.1143, 0.2982, 0.3382



19.1143, 0.2911, 0.3078

Rectangle

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



19.1143, 0.3272, 0.3200



19.1143, 0.3390, 0.3390



19.1143, 0.2982, 0.3382



19.1143, 0.2871, 0.3181

Sweetspot

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



19.1151, 0.3272, 0.3200



39.2222, 0.3173, 0.3260



19.0011, 0.3078, 0.3001



8.7373, 0.3180, 0.3255



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.1151, 0.3272, 0.3200



32.8888, 0.3304, 0.3182



19.6873, 0.3327, 0.3344



4.7109, 0.3234, 0.3222



4.9077, 0.5643, 0.2882



0.0182, 0.4593, 0.2304

Inverse Universe

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



19.1151, 0.3272, 0.3200



32.8888, 0.3304, 0.3182



21.4538, 0.2950, 0.3236



4.7109, 0.3234, 0.3222



4.9077, 0.5643, 0.2882



0.0182, 0.4593, 0.2304

Previews

White Background



This preview shows how the Yxy color 19.1143, 0.3272, 0.3200 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 19.1143, 0.3272, 0.3200 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 19.1143, 0.3272, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 19.1143, 0.3272, 0.3200.



This preview shows how white text looks on a background with the Yxy color 19.1143, 0.3272, 0.3200.

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

19.1143, 0.3272, 0.3200

Protanopia

19.0258, 0.3106, 0.3215

Deuteranopia

19.0333, 0.3259, 0.3200



Tritanopia

18.9837, 0.3225, 0.3110

Trichromacy



Original Color

19.1143, 0.3272, 0.3200

Protanomaly

19.0593, 0.3168, 0.3216

Deuteranomaly

19.0333, 0.3259, 0.3200

Tritanomaly

18.9580, 0.3237, 0.3128

Monochromacy



Original Color

19.1143, 0.3272, 0.3200

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.2737, 0.3179, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1143, 0.3272, 0.3200 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(133, 117, 122)` looks like.

```
.text, #text, p{  
    color:rgb(133, 117, 122)  
}
```

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(133, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 117, 122) }
```

Border

The CSS property to change the border of an element to Yxy 19.1143, 0.3272, 0.3200 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(133, 117, 122) }
```

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

```
.border{ border-color:rgb(133, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 117, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 117, 122); box-shadow:4px 4px 4px 4px rgb(133, 117, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1143, 0.3272, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 117, 122) }
```

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

```
.background{ background-color: rgb(133,  
117, 122) }
```

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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