

Converting Colors

$Y_{xy}(18.2993, 0.3326, 0.3222)$

Have a look what the booklet for
Yxy(18.2993, 0.3326, 0.3222)
contains.

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Color

Yxy(18.3292, 0.3328, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	857276
RGB	133, 114, 118
RGB Percent	52%, 45%, 46%
CMY	0.4784, 0.5529, 0.5372
CMYK	0.00, 0.14, 0.11, 0.48
HSL	347°, 8%, 48%
HSV	347°, 14%, 52%
XYZ	18.9616, 18.3292, 19.6852
YIQ	120.1370, 10.0400, 5.2720

Conversions

Conversions Part 2

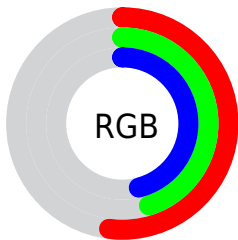
Format	Color
RYB	133, 114, 118
Decimal	8745590
CIELab	49.89, 8.14, 0.52
CIELCh	50, 8.152, 3.649
Yxy	18.3292, 0.3328, 0.3217
Android (android.graphics.Color)	4286935670 (0xFF857276)
YUV	120.1370, -1.0535, 11.2809
Hunter-Lab	42.8126, 4.1353, 2.7073

Details

The Yxy color **18.3292, 0.3328, 0.3217** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.9378, 0.2958, 0.3364**, and the grayscale version is **18.8304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6138, 0.3279, 0.3237**, and **6.1776, 0.3406, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **15.3089, 0.3508, 0.3162**, and if you desaturate by 10%, it is **21.8152, 0.3181, 0.3269**.

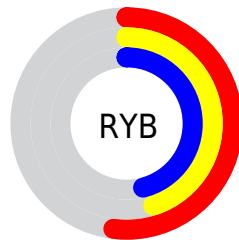
Distribution



Red (52%)

Green (45%)

Blue (46%)



Red (52%)

Yellow (45%)

Blue (46%)

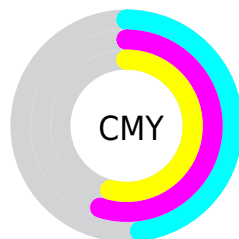


Cyan (0%)

Magenta (14%)

Yellow (11%)

Black (48%)



Cyan (48%)


Magenta (55%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3292, 0.3328, 0.3217 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 18.3292, 0.3328, 0.3217 by changing the saturation by 10% instead.


 18.3292, 0.3328,
0.3217


 18.3292, 0.3328,
0.3217


242.7201, 0.3212,
0.3260


 11.1866, 0.3364,
0.3204


 40.5975, 0.3281,
0.3234


 6.1925, 0.3416,
0.3185

 56.4919, 0.3265,
0.3240

 2.9625, 0.3497,
0.3154

 76.0725, 0.3252,
0.3245

 1.1122, 0.3640,
0.3101

 99.7235, 0.3241,
0.3249

 0.0000, 1.0000,
0.0000

127.8294, 0.3232,
0.3252

 0.0000, 0.0000,
0.0000

160.7745, 0.3224,

0.3255

198.9433, 0.3218,
0.3257

■ 18.3292, 0.3328,
0.3217

■ 18.3292, 0.3328,
0.3217

■ 15.3089, 0.3508,
0.3162

■ 21.8152, 0.3181,
0.3269

■ 12.7322, 0.3727,
0.3107

■ 25.7829, 0.3062,
0.3317

■ 10.5787, 0.3992,
0.3053

■ 30.2505, 0.2964,
0.3361

■ 8.8259, 0.4305,
0.3007

■ 35.2347, 0.2884,
0.3402

■ 7.4486, 0.4664,
0.2974

■ 40.7514, 0.2818,
0.3439

■ 6.4192, 0.5054,
0.2964

■ 46.8156, 0.2763,
0.3472

■ 5.7061, 0.5445,
0.2986

■ 53.4418, 0.2718,
0.3503

■ 5.2681, 0.5798,
0.3040

■ 60.6442, 0.2679,
0.3531

■ 5.0714, 0.5982,
0.3069

■ 68.4362, 0.2647,
0.3556

Harmonies

Analogous

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



18.3292, 0.3184, 0.3104



18.3292, 0.3328, 0.3217



18.3292, 0.3419, 0.3351

Triad

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



18.3292, 0.3328, 0.3217



18.3292, 0.3223, 0.3557



18.3292, 0.2834, 0.3099

Complementary

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



18.3292, 0.3328, 0.3217



21.9378, 0.2958, 0.3364

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.



18.3292, 0.2844, 0.3218



18.3292, 0.3328, 0.3217



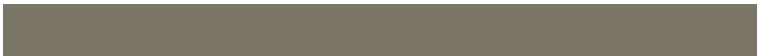
18.3292, 0.3066, 0.3488

Square

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



18.3292, 0.3328, 0.3217



18.3292, 0.3356, 0.3550



18.3292, 0.2928, 0.3361



18.3292, 0.2900, 0.3034

Rectangle

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



18.3292, 0.3328, 0.3217



18.3292, 0.3435, 0.3436



18.3292, 0.2928, 0.3361



18.3292, 0.2829, 0.3133

Sweetspot

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



18.3300, 0.3328, 0.3217



39.1960, 0.3179, 0.3270



18.3864, 0.3091, 0.2947



8.7305, 0.3188, 0.3267



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.



18.3300, 0.3328, 0.3217



31.0601, 0.3380, 0.3200



19.4870, 0.3366, 0.3389



4.7037, 0.3249, 0.3244



4.8314, 0.5978, 0.3067



0.0176, 0.5012, 0.2535

Inverse Universe

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



18.3300, 0.3328, 0.3217



31.0601, 0.3380, 0.3200



20.6101, 0.2916, 0.3189



4.7037, 0.3249, 0.3244



4.8314, 0.5978, 0.3067



0.0176, 0.5012, 0.2535

Previews

White Background



This preview shows how the Yxy color 18.3292, 0.3328, 0.3217 looks on a white background.

Color Contrast Check

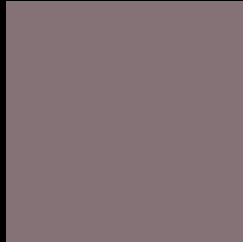
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3292, 0.3328, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

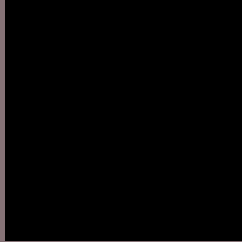
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3292, 0.3328, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 18.3292, 0.3328, 0.3217.



This preview shows how white text looks on a background with the Yxy color 18.3292, 0.3328, 0.3217.

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

18.3292, 0.3328, 0.3217

Protanopia

18.3060, 0.3129, 0.3252

Deuteranopia

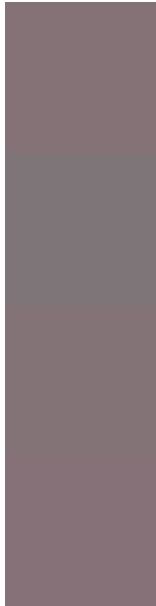
18.3948, 0.3300, 0.3235



Tritanopia

18.2837, 0.3293, 0.3128

Trichromacy



Original Color

18.3292, 0.3328, 0.3217

Protanomaly

18.4145, 0.3206, 0.3253

Deuteranomaly

18.4750, 0.3313, 0.3236

Tritanomaly

18.2591, 0.3305, 0.3145

Monochromacy



Original Color

18.3292, 0.3328, 0.3217

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6488, 0.3204, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3292, 0.3328, 0.3217 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, 114, 118)` looks like.

```
.text, #text, p{  
    color:rgb(133, 114, 118)  
}
```

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, 114, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 114, 118) }
```

Border

The CSS property to change the border of an element to Yxy 18.3292, 0.3328, 0.3217 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, 114, 118) }
```

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

```
.border{ border-color:rgb(133, 114, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 114, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 114, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 114, 118);  
box-shadow:4px 4px 4px 4px rgb(133, 114,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3292, 0.3328, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 114, 118) }
```

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

```
.background{ background-color: rgb(133,  
114, 118) }
```

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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