

Converting Colors

$Y_{xy}(19.4819, 0.3282, 0.3409)$

Have a look what the booklet for
Yxy(19.4819, 0.3282, 0.3409)
contains.

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Color

Yxy(19.5017, 0.3285, 0.3402)

Conversions

Conversions Part 1	
Format	Color
Hex	807973
RGB	128, 121, 115
RGB Percent	50%, 47%, 45%
CMY	0.4981, 0.5254, 0.5490
CMYK	0.00, 0.05, 0.10, 0.50
HSL	28°, 5%, 48%
HSV	28°, 10%, 50%
XYZ	18.8310, 19.5017, 18.9915
YIQ	122.4090, 6.0980, -0.3820

Conversions

Conversions Part 2

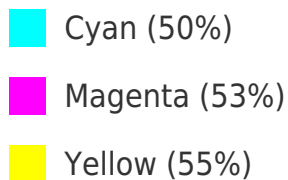
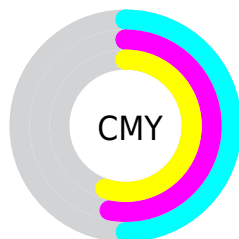
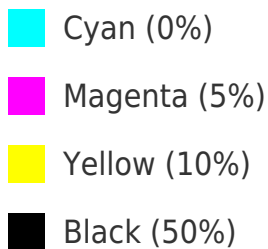
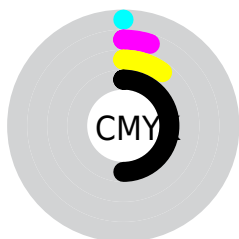
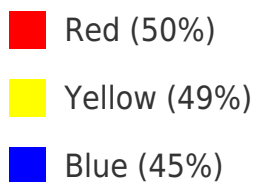
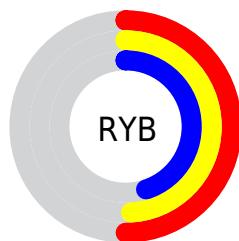
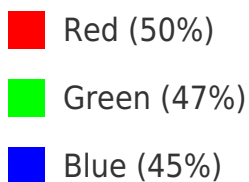
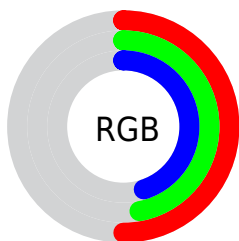
Format	Color
RYB	128, 126, 115
Decimal	8419699
CIELab	51.27, 1.53, 4.24
CIELCh	51, 4.504, 70.124
Yxy	19.5017, 0.3285, 0.3402
Android (android.graphics.Color)	4286609779 (0xFF807973)
YUV	122.4090, -3.6526, 4.9033
Hunter-Lab	44.1607, -1.1654, 5.4146

Details

The Yxy color **19.5017, 0.3285, 0.3402** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.1130, 0.2977, 0.3175**, and the grayscale version is **19.6129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5009, 0.3250, 0.3371**, and **6.8326, 0.3355, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **17.6175, 0.3463, 0.3519**, and if you desaturate by 10%, it is **21.5475, 0.3129, 0.3291**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5017, 0.3285, 0.3402 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 19.5017, 0.3285, 0.3402 by changing the saturation by 10% instead.


 19.5017, 0.3285,
0.3402


 19.5017, 0.3285,
0.3402


249.2046, 0.3195,
0.3338


 12.0334, 0.3313,
0.3421


 42.5802, 0.3249,
0.3377

 6.7664, 0.3352,
0.3449


 58.9590, 0.3236,
0.3368

 3.3164, 0.3413,
0.3490

 79.0769, 0.3226,
0.3361

 1.2991, 0.3518,
0.3561

103.3181, 0.3218,
0.3355

 0.1405, 0.5488,
0.4512


132.0671, 0.3210,
0.3350


 0.0000, 0.0000,
0.0000

165.7083, 0.3204,

0.3345


204.6260, 0.3199,
0.3342


 19.5017, 0.3285,
0.3402


 19.5017, 0.3285,
0.3402


 17.6175, 0.3463,
0.3519


 21.5475, 0.3129,
0.3291


 15.8880, 0.3666,
0.3639


 23.7561, 0.2993,
0.3188


 14.3099, 0.3894,
0.3760


 26.1324, 0.2875,
0.3093


 12.8786, 0.4146,
0.3874


 28.6798, 0.2773,
0.3005

 11.5892, 0.4416,
0.3975


 31.4021, 0.2683,
0.2924

 10.4367, 0.4697,
0.4050


 34.3026, 0.2604,
0.2850


 9.4153, 0.4975,
0.4089

 37.3847, 0.2536,
0.2782

 8.5191, 0.5231,
0.4081

 40.6516, 0.2475,
0.2720

 7.7449, 0.5467,
0.4041

 44.1065, 0.2422,
0.2663

Harmonies

Analogous

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



19.5017, 0.3289, 0.3340



19.5017, 0.3285, 0.3402



19.5017, 0.3238, 0.3435

Triad

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



19.5017, 0.3285, 0.3402



19.5017, 0.3006, 0.3313



19.5017, 0.3091, 0.3157

Complementary

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



19.5017, 0.3285, 0.3402



19.1130, 0.2977, 0.3175

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.



19.5017, 0.3016, 0.3148



19.5017, 0.3285, 0.3402



19.5017, 0.2968, 0.3237

Square

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



19.5017, 0.3285, 0.3402



19.5017, 0.3077, 0.3383



19.5017, 0.2972, 0.3177



19.5017, 0.3176, 0.3200

Rectangle

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



19.5017, 0.3285, 0.3402



19.5017, 0.3189, 0.3435



19.5017, 0.2972, 0.3177



19.5017, 0.3064, 0.3149

Sweetspot

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



19.5026, 0.3285, 0.3402



36.8686, 0.3173, 0.3323



18.2575, 0.3209, 0.3158



8.5691, 0.3184, 0.3331



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.



19.5026, 0.3285, 0.3402



33.6186, 0.3321, 0.3427



21.0880, 0.3272, 0.3517



4.6470, 0.3268, 0.3390



7.6856, 0.5466, 0.4042



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.1130, 0.2977, 0.3175



32.7991, 0.2945, 0.3150



17.6130, 0.2976, 0.3053



4.5641, 0.2993, 0.3188



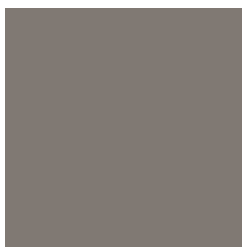
5.7319, 0.1820, 0.1751



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.5017, 0.3285, 0.3402 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 19.5017, 0.3285, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

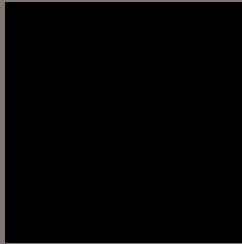
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

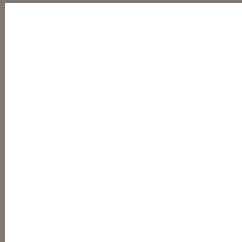
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.5017, 0.3285, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 19.5017, 0.3285, 0.3402.

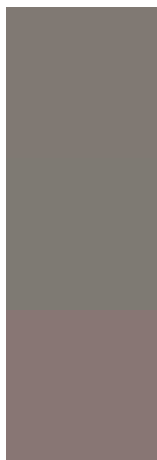


This preview shows how white text looks on a background with the Yxy color 19.5017, 0.3285, 0.3402.

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

19.5017, 0.3285, 0.3402

Protanopia

19.5925, 0.3258, 0.3421

Deuteranopia

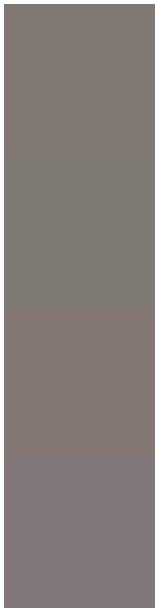
19.4521, 0.3384, 0.3327



Tritanopia

19.4980, 0.3160, 0.3127

Trichromacy



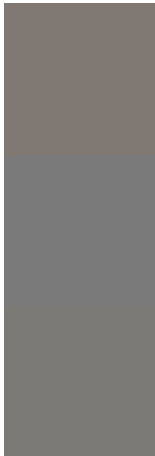
Original Color
19.5017, 0.3285, 0.3402

Protanomaly
19.6689, 0.3271, 0.3421

Deuteranomaly
19.4412, 0.3342, 0.3345

Tritanomaly
19.5301, 0.3205, 0.3235

Monochromacy



Original Color
19.5017, 0.3285, 0.3402

Achromatopsia
19.4618, 0.3127, 0.3290

Achromatomaly
19.5361, 0.3186, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5017, 0.3285, 0.3402 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, 121, 115) looks like.

```
.text, #text, p{  
    color:rgb(128, 121, 115)  
}
```

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, 121, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 121, 115) }
```

Border

The CSS property to change the border of an element to Yxy 19.5017, 0.3285, 0.3402 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, 121, 115) }
```

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

```
.border{ border-color:rgb(128, 121, 115) }
```

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

Here you see how a box with a 4 pixel rgb(128, 121, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 121, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 121, 115);  
box-shadow:4px 4px 4px 4px rgb(128, 121,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5017, 0.3285, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 121, 115) }
```

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

```
.background{ background-color: rgb(128,  
121, 115) }
```

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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