

Converting Colors

$Y_{xy}(19.7742, 0.3354, 0.3561)$

Have a look what the booklet for
Yxy(19.7742, 0.3354, 0.3561)
contains.

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Color

Yxy(19.8378, 0.3364, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	807B6C
RGB	128, 123, 108
RGB Percent	50%, 48%, 42%
CMY	0.4980, 0.5176, 0.5764
CMYK	0.00, 0.04, 0.16, 0.50
HSL	45°, 8%, 46%
HSV	45°, 16%, 50%
XYZ	18.6931, 19.8378, 17.0372
YIQ	122.7850, 7.7950, -3.6050

Conversions

Conversions Part 2

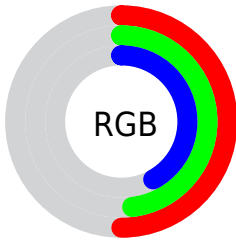
Format	Color
R_{YB}	115, 128, 108
Decimal	8420204
CIE Lab	51.65, -0.84, 8.87
CIE LCh	52, 8.910, 95.398
Yxy	19.8378, 0.3364, 0.3570
Android (android.graphics.Color)	4286610284 (0xFF807B6C)
YUV	122.7850, -7.2890, 4.5736
Hunter-Lab	44.5396, -3.0287, 8.4983

Details

The Yxy color **19.8378, 0.3364, 0.3570** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5642, 0.2890, 0.2994**, and the grayscale version is **19.7563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9869, 0.3316, 0.3507**, and **6.8967, 0.3463, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **18.8034, 0.3530, 0.3757**, and if you desaturate by 10%, it is **20.9400, 0.3209, 0.3388**.

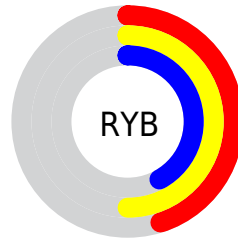
Distribution



Red (50%)

Green (48%)

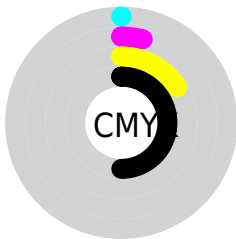
Blue (42%)



Red (45%)

Yellow (50%)

Blue (42%)

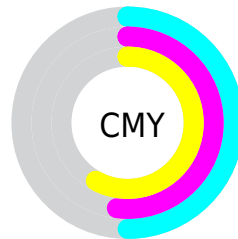


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (50%)



Cyan (50%)


Magenta (52%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8378, 0.3364, 0.3570 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 19.8378, 0.3364, 0.3570 by changing the saturation by 10% instead.


 19.8378, 0.3364,
0.3570


 19.8378, 0.3364,
0.3570

251.0357, 0.3229,
0.3410


 12.2772, 0.3405,
0.3619


 43.1451, 0.3310,
0.3506


 6.9328, 0.3462,
0.3688


 59.6605, 0.3291,
0.3484

 3.4201, 0.3549,
0.3793

 79.9297, 0.3276,
0.3466

 1.3548, 0.3708,
0.3985

 104.3371, 0.3264,
0.3451

 0.1830, 0.4561,
0.5439

133.2669, 0.3253,
0.3438

 0.0000, 0.0000,
0.0000

167.1037, 0.3244,

0.3427

206.2319, 0.3236,
0.3418

■ 19.8378, 0.3364,
0.3570

■ 19.8378, 0.3364,
0.3570

■ 18.8034, 0.3530,
0.3757

■ 20.9400, 0.3209,
0.3388

■ 17.8323, 0.3706,
0.3944

■ 22.1092, 0.3066,
0.3215

■ 16.9231, 0.3886,
0.4125

■ 23.3482, 0.2936,
0.3052

■ 16.0737, 0.4067,
0.4292

■ 24.6586, 0.2818,
0.2900

■ 15.2814, 0.4241,
0.4435

■ 26.0420, 0.2712,
0.2760

■ 14.5437, 0.4400,
0.4545

■ 27.5001, 0.2617,
0.2631

■ 13.8573, 0.4538,
0.4614

■ 29.0342, 0.2531,
0.2513

■ 13.2175, 0.4650,
0.4642

■ 30.6459, 0.2454,
0.2405

■ 12.9462, 0.4699,
0.4651

■ 32.3366, 0.2386,
0.2306

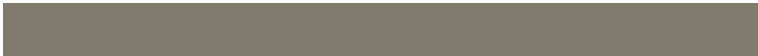
Harmonies

Analogous

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



19.8378, 0.3446, 0.3491



19.8378, 0.3364, 0.3570



19.8378, 0.3219, 0.3573

Triad

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



19.8378, 0.3364, 0.3570



19.8378, 0.2823, 0.3204



19.8378, 0.3197, 0.3098

Complementary

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



19.8378, 0.3364, 0.3570



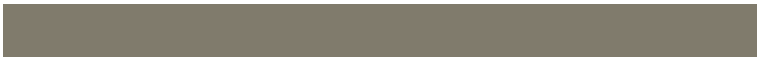
16.5642, 0.2890, 0.2994

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.



19.8378, 0.3029, 0.3024



19.8378, 0.3364, 0.3570



19.8378, 0.2817, 0.3080

Square

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



19.8378, 0.3364, 0.3570



19.8378, 0.2908, 0.3357



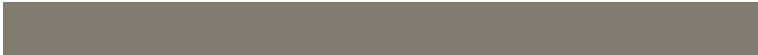
19.8378, 0.2892, 0.3016



19.8378, 0.3349, 0.3220

Rectangle

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



19.8378, 0.3364, 0.3570



19.8378, 0.3107, 0.3529



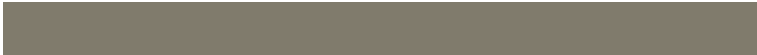
19.8378, 0.2892, 0.3016



19.8378, 0.3140, 0.3067

Sweetspot

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



19.8387, 0.3364, 0.3570



36.9648, 0.3201, 0.3380



16.5195, 0.3334, 0.3190



8.6268, 0.3210, 0.3390



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.



19.8387, 0.3364, 0.3570



34.2158, 0.3426, 0.3641



20.7587, 0.3293, 0.3666



4.8428, 0.3262, 0.3451



12.8385, 0.4699, 0.4651



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5642, 0.2890, 0.2994



27.2223, 0.2827, 0.2912



15.7783, 0.2945, 0.2899



4.3732, 0.2993, 0.3124



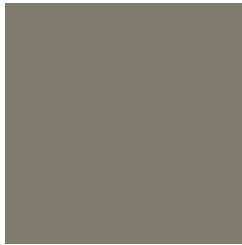
2.5745, 0.1594, 0.0937



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.8378, 0.3364, 0.3570 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 19.8378, 0.3364, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

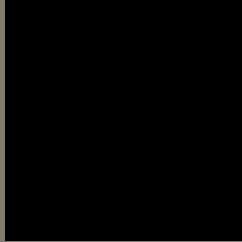
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

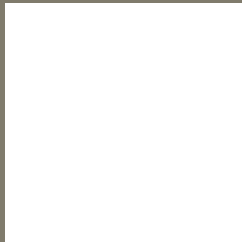
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.8378, 0.3364, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 19.8378, 0.3364, 0.3570.



This preview shows how white text looks on a background with the Yxy color 19.8378, 0.3364, 0.3570.

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

19.8378, 0.3364, 0.3570

Protanopia

19.9158, 0.3377, 0.3569

Deuteranopia

19.8732, 0.3521, 0.3469



Tritanopia

19.8432, 0.3159, 0.3129

Trichromacy



Original Color

19.8378, 0.3364, 0.3570

Protanomaly

19.9158, 0.3377, 0.3569

Deuteranomaly

19.7713, 0.3465, 0.3490

Tritanomaly

19.8010, 0.3239, 0.3290

Monochromacy



Original Color

19.8378, 0.3364, 0.3570

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8339, 0.3209, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8378, 0.3364, 0.3570 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, 123, 108)` looks like.

```
.text, #text, p{  
    color:rgb(128, 123, 108)  
}
```

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, 123, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 123, 108) }
```

Border

The CSS property to change the border of an element to Yxy 19.8378, 0.3364, 0.3570 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, 123, 108) }
```

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

```
.border{ border-color:rgb(128, 123, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 123, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 123, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 123, 108);  
box-shadow:4px 4px 4px 4px rgb(128, 123,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8378, 0.3364, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 123, 108) }
```

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

```
.background{ background-color: rgb(128,  
123, 108) }
```

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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