

Converting Colors

$Yxy(22.3233, 0.3393, 0.3686)$

Have a look what the booklet for
Yxy(22.3233, 0.3393, 0.3686)
contains.

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Color

Yxy(22.3233, 0.3393, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	85836D
RGB	133, 131, 109
RGB Percent	52%, 51%, 43%
CMY	0.4784, 0.4863, 0.5726
CMYK	0.00, 0.01, 0.18, 0.48
HSL	55°, 10%, 47%
HSV	55°, 18%, 52%
XYZ	20.5488, 22.3233, 17.6903
YIQ	129.0900, 8.2540, -6.4180

Conversions

Conversions Part 2

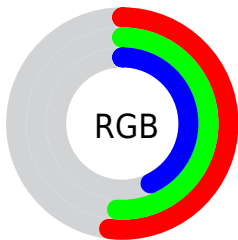
Format	Color
R_{YB}	111, 133, 109
Decimal	8749933
CIE _{Lab}	54.37, -3.22, 12.19
CIE _{LCh}	54, 12.610, 104.799
Yxy	22.3233, 0.3393, 0.3686
Android (android.graphics.Color)	4286940013 (0xFF85836D)
YUV	129.0900, -9.9044, 3.4291
Hunter-Lab	47.2475, -5.0503, 10.8741

Details

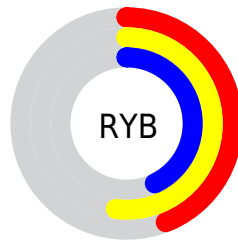
The Yxy color **22.3233, 0.3393, 0.3686** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.3091, 0.2845, 0.2861**, and the grayscale version is **22.0195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2933, 0.3329, 0.3592**, and **8.2105, 0.3496, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **21.7640, 0.3547, 0.3911**, and if you desaturate by 10%, it is **22.9311, 0.3243, 0.3464**.

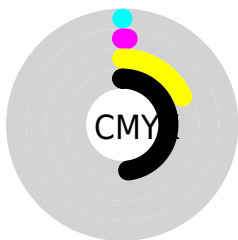
Distribution



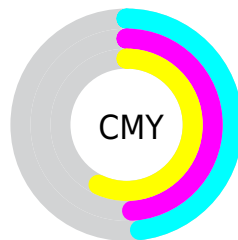
- Red (52%)
- Green (51%)
- Blue (43%)



- Red (44%)
- Yellow (52%)
- Blue (43%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (48%)





- Cyan (48%)
- Magenta (49%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3233, 0.3393, 0.3686 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 22.3233, 0.3393, 0.3686 by changing the saturation by 10% instead.


 22.3233, 0.3393,
0.3686

 22.3233, 0.3393,
0.3686


264.2300, 0.3245,
0.3462


 14.0946, 0.3436,
0.3753


 47.2798, 0.3335,
0.3597

 8.1865, 0.3495,
0.3846


 64.7764, 0.3315,
0.3566

 4.2145, 0.3581,
0.3985

 86.1311, 0.3298,
0.3541

 1.7943, 0.3718,
0.4215

 111.7283, 0.3284,
0.3520

 0.4836, 0.4407,
0.5593

141.9524, 0.3272,
0.3502

 0.0000, 0.0000,
0.0000

177.1878, 0.3262,

0.3487

217.8188, 0.3253,
0.3474

■ 22.3233, 0.3393,
0.3686

■ 22.3233, 0.3393,
0.3686

■ 21.7640, 0.3547,
0.3911

■ 22.9311, 0.3243,
0.3464

■ 21.2483, 0.3700,
0.4131

■ 23.5862, 0.3100,
0.3249

■ 20.7751, 0.3848,
0.4338

■ 24.2914, 0.2965,
0.3045

■ 20.3420, 0.3986,
0.4525

■ 25.0482, 0.2841,
0.2854

■ 19.9466, 0.4106,
0.4682

■ 25.8584, 0.2726,
0.2677

■ 19.5861, 0.4205,
0.4802

■ 26.7232, 0.2622,
0.2514

■ 19.2571, 0.4279,
0.4881

■ 27.6443, 0.2527,
0.2365

■ 18.9524, 0.4332,
0.4926

■ 28.6229, 0.2441,
0.2229

■ 18.8939, 0.4342,
0.4934

■ 29.6604, 0.2364,
0.2106

Harmonies

Analogous

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



22.3233, 0.3539, 0.3604



22.3233, 0.3393, 0.3686



22.3233, 0.3179, 0.3657

Triad

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



22.3233, 0.3393, 0.3686



22.3233, 0.2703, 0.3111



22.3233, 0.3291, 0.3077

Complementary

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



22.3233, 0.3393, 0.3686



16.3091, 0.2845, 0.2861

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.



22.3233, 0.3062, 0.2955



22.3233, 0.3393, 0.3686



22.3233, 0.2729, 0.2967

Square

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



22.3233, 0.3393, 0.3686



22.3233, 0.2784, 0.3313



22.3233, 0.2858, 0.2914



22.3233, 0.3480, 0.3253

Rectangle

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



22.3233, 0.3393, 0.3686



22.3233, 0.3028, 0.3574



22.3233, 0.2858, 0.2914



22.3233, 0.3216, 0.3029

Sweetspot

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



22.3243, 0.3393, 0.3686



41.4012, 0.3200, 0.3400



17.0688, 0.3433, 0.3254



9.3119, 0.3209, 0.3413



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.



22.3243, 0.3393, 0.3686



39.5226, 0.3461, 0.3786



22.0893, 0.3267, 0.3737



5.3587, 0.3259, 0.3487



18.0026, 0.4342, 0.4935



0.0672, 0.4261, 0.4999

Inverse Universe

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



16.3091, 0.2845, 0.2861



26.5023, 0.2767, 0.2740



16.5497, 0.2967, 0.2837



4.6022, 0.2992, 0.3085



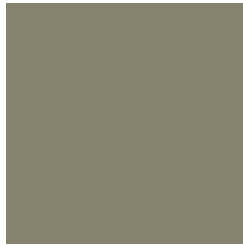
1.8479, 0.1522, 0.0678



0.0102, 0.1614, 0.1011

Previews

White Background



This preview shows how the Yxy color 22.3233, 0.3393, 0.3686 looks on a white background.

Color Contrast Check

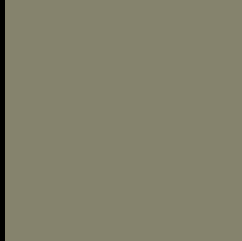
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3233, 0.3393, 0.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

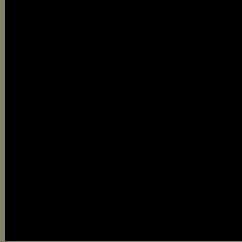
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3233, 0.3393, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 22.3233, 0.3393, 0.3686.



This preview shows how white text looks on a background with the Yxy color 22.3233, 0.3393, 0.3686.

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

22.3233, 0.3393, 0.3686

Protanopia

22.3663, 0.3457, 0.3681

Deuteranopia

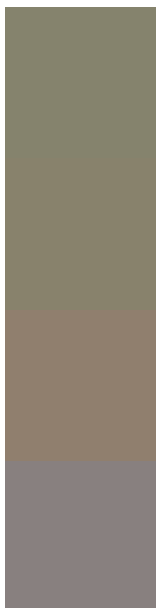
22.2771, 0.3615, 0.3544



Tritanopia

22.3033, 0.3135, 0.3119

Trichromacy



Original Color

22.3233, 0.3393, 0.3686

Protanomaly

22.2822, 0.3444, 0.3682

Deuteranomaly

22.2338, 0.3532, 0.3584

Tritanomaly

22.2049, 0.3233, 0.3308

Monochromacy



Original Color

22.3233, 0.3393, 0.3686

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1162, 0.3214, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3233, 0.3393, 0.3686 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, 131, 109)` looks like.

```
.text, #text, p{  
    color:rgb(133, 131, 109)  
}
```

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, 131, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 131, 109) }
```

Border

The CSS property to change the border of an element to Yxy 22.3233, 0.3393, 0.3686 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, 131, 109) }
```

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

```
.border{ border-color:rgb(133, 131, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 131, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 131, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 131, 109); box-shadow:4px 4px 4px 4px rgb(133, 131, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3233, 0.3393, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 131, 109) }
```

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

```
.background{ background-color: rgb(133,  
131, 109) }
```

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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