

Converting Colors

$Y_{xy}(22.7394, 0.3374, 0.3794)$

Have a look what the booklet for
Yxy(22.7394, 0.3374, 0.3794)
contains.

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Color

Yxy(22.7579, 0.3369, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	81866A
RGB	129, 134, 106
RGB Percent	51%, 53%, 42%
CMY	0.4940, 0.4745, 0.5843
CMYK	0.04, 0.00, 0.21, 0.47
HSL	71°, 12%, 47%
HSV	71°, 21%, 53%
XYZ	20.1820, 22.7579, 16.9651
YIQ	129.3130, 6.0080, -9.7680

Conversions

Conversions Part 2

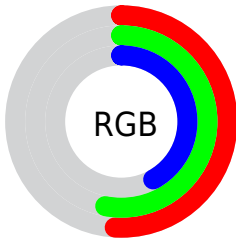
Format	Color
RYB	106, 134, 111
Decimal	8488554
CIELab	54.82, -6.97, 14.49
CIELCh	55, 16.077, 115.704
Yxy	22.7579, 0.3369, 0.3799
Android (android.graphics.Color)	4286678634 (0xFF81866A)
YUV	129.3130, -11.4933, -0.2745
Hunter-Lab	47.7052, -7.9687, 12.3088

Details

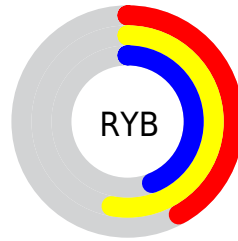
The Yxy color $22.7579, 0.3369, 0.3799$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.4081, 0.2854, 0.2746$, and the grayscale version is $22.1094, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.9201, 0.3321, 0.3688$, and $8.3619, 0.3461, 0.3982$ is the 20% darker color. If you saturate the color by 10%, you get $22.3170, 0.3484, 0.4053$, and if you desaturate by 10%, it is $23.2487, 0.3252, 0.3550$.

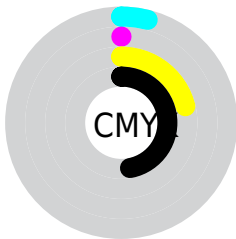
Distribution



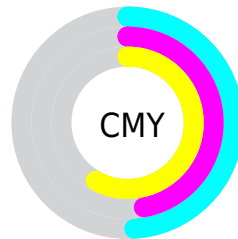
- Red (51%)
- Green (53%)
- Blue (42%)



- Red (42%)
- Yellow (53%)
- Blue (44%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (47%)





- Cyan (49%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7579, 0.3369, 0.3799 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 22.7579, 0.3369, 0.3799 by changing the saturation by 10% instead.


 22.7579, 0.3369,
0.3799


 22.7579, 0.3369,
0.3799


266.4791, 0.3236,
0.3510


 14.4148, 0.3406,
0.3885


 47.9955, 0.3318,
0.3684


 8.4098, 0.3456,
0.4007


 65.6588, 0.3300,
0.3644

 4.3582, 0.3527,
0.4189

 87.1977, 0.3284,
0.3612

 1.8759, 0.3640,
0.4502

 112.9965, 0.3272,
0.3584

 0.5338, 0.3871,
0.6129

143.4397, 0.3261,
0.3561

 0.0000, 0.0000,
0.0000

178.9115, 0.3252,

0.3542

219.7965, 0.3244,
0.3525

■ 22.7579, 0.3369,
0.3799

■ 22.7579, 0.3369,
0.3799

■ 22.3170, 0.3484,
0.4053

■ 23.2487, 0.3252,
0.3550

■ 21.9210, 0.3593,
0.4305

■ 23.7884, 0.3137,
0.3311

■ 21.5687, 0.3691,
0.4546

■ 24.3796, 0.3026,
0.3086

■ 21.2576, 0.3773,
0.4766


■ 25.0243, 0.2921,
0.2876

■ 20.9851, 0.3836,
0.4956


■ 25.7239, 0.2821,
0.2684


 20.7483, 0.3875,
0.5108


 26.4800, 0.2729,
0.2508

 20.5435, 0.3890,
0.5218

 27.2942, 0.2645,
0.2349

 20.3752, 0.3890,
0.5293

 28.1678, 0.2567,
0.2205

 29.1023, 0.2495,
0.2075

Harmonies

Analogous

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



22.7579, 0.3595, 0.3738



22.7579, 0.3369, 0.3799



22.7579, 0.3085, 0.3710

Triad

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



22.7579, 0.3369, 0.3799



22.7579, 0.2590, 0.2983



22.7579, 0.3431, 0.3096

Complementary

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



22.7579, 0.3369, 0.3799



15.4081, 0.2854, 0.2746

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.



22.7579, 0.3149, 0.2916



22.7579, 0.3369, 0.3799



22.7579, 0.2672, 0.2844

Square

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



22.7579, 0.3369, 0.3799



22.7579, 0.2643, 0.3218



22.7579, 0.2872, 0.2824



22.7579, 0.3635, 0.3328

Rectangle

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



22.7579, 0.3369, 0.3799



22.7579, 0.2903, 0.3574



22.7579, 0.2872, 0.2824



22.7579, 0.3342, 0.3028

Sweetspot

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



22.7589, 0.3369, 0.3799



41.4047, 0.3197, 0.3434



17.4055, 0.3509, 0.3378



9.3169, 0.3203, 0.3447



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.



22.7589, 0.3369, 0.3799



39.7273, 0.3423, 0.3917



21.7579, 0.3207, 0.3826



5.3823, 0.3232, 0.3506



19.0993, 0.3891, 0.5292



0.0689, 0.4046, 0.5169

Inverse Universe

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



15.4081, 0.2854, 0.2746



24.3941, 0.2783, 0.2609



16.3647, 0.3028, 0.2774



4.5815, 0.3017, 0.3068



1.7968, 0.1600, 0.0655



0.0085, 0.1926, 0.0835

Previews

White Background



This preview shows how the Yxy color 22.7579, 0.3369, 0.3799 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 22.7579, 0.3369, 0.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

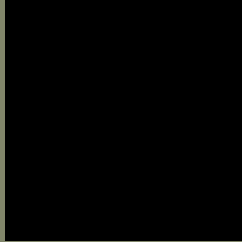
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

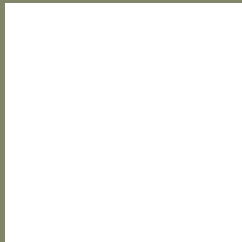
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7579, 0.3369, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 22.7579, 0.3369, 0.3799.



This preview shows how white text looks on a background with the Yxy color 22.7579, 0.3369, 0.3799.

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

22.7579, 0.3369, 0.3799

Protanopia

22.7415, 0.3512, 0.3747

Deuteranopia

22.6798, 0.3661, 0.3592



Tritanopia

22.6623, 0.3067, 0.3101

Trichromacy



Original Color

22.7579, 0.3369, 0.3799

Protanomaly

22.6733, 0.3459, 0.3772

Deuteranomaly

22.6913, 0.3559, 0.3670

Tritanomaly

22.6966, 0.3171, 0.3343

Monochromacy



Original Color

22.7579, 0.3369, 0.3799

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.2802, 0.3212, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7579, 0.3369, 0.3799 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(129, 134, 106)` looks like.

```
.text, #text, p{  
    color:rgb(129, 134, 106)  
}
```

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(129, 134, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 134, 106) }
```

Border

The CSS property to change the border of an element to Yxy 22.7579, 0.3369, 0.3799 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(129, 134, 106) }
```

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

```
.border{ border-color:rgb(129, 134, 106) }
```

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

Here you see how a box with a 4 pixel rgb(129, 134, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 134, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 134, 106);  
box-shadow:4px 4px 4px 4px rgb(129, 134,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7579, 0.3369, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 134, 106) }
```

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

```
.background{ background-color: rgb(129,  
134, 106) }
```

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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