

Converting Colors

$Y_{xy}(22.8694, 0.3560, 0.4200)$

Have a look what the booklet for
Yxy(22.8694, 0.3560, 0.4200)
contains.

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Color

Yxy(22.8694, 0.3560, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	808856
RGB	128, 136, 86
RGB Percent	50%, 53%, 34%
CMY	0.4981, 0.4666, 0.6627
CMYK	0.06, 0.00, 0.37, 0.47
HSL	70°, 23%, 44%
HSV	70°, 37%, 53%
XYZ	19.3845, 22.8694, 12.1970
YIQ	127.9080, 11.2820, -17.2460

Conversions

Conversions Part 2

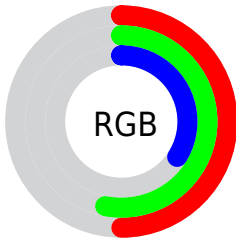
Format	Color
RYB	86, 136, 94
Decimal	8423510
CIELab	54.94, -11.45, 25.89
CIELCh	55, 28.314, 113.859
Yxy	22.8694, 0.3560, 0.4200
Android (android.graphics.Color)	4286613590 (0xFF808856)
YUV	127.9080, -20.6606, 0.0807
Hunter-Lab	47.8220, -11.3338, 18.3534

Details

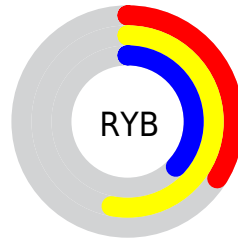
The Yxy color $22.8694, 0.3560, 0.4200$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $10.8148, 0.2585, 0.2256$, and the grayscale version is $21.6228, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.1178, 0.3482, 0.3996$, and $8.4218, 0.3707, 0.4567$ is the 20% darker color. If you saturate the color by 10%, you get $22.5043, 0.3666, 0.4445$, and if you desaturate by 10%, it is $23.2819, 0.3445, 0.3947$.

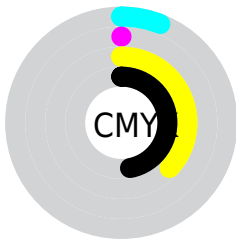
Distribution



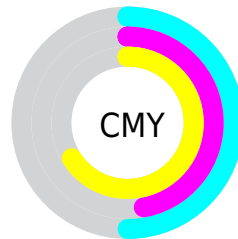
- Red (50%)
- Green (53%)
- Blue (34%)



- Red (34%)
- Yellow (53%)
- Blue (37%)



- Cyan (6%)
- Magenta (0%)
- Yellow (37%)
- Black (47%)



- Cyan (50%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8694, 0.3560, 0.4200 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 22.8694, 0.3560, 0.4200 by changing the saturation by 10% instead.

■ 22.8694, 0.3560,
0.4200

■ 22.8694, 0.3560,
0.4200

■ 267.0535, 0.3329,
0.3682

■ 14.4971, 0.3619,
0.4353

■ 48.1788, 0.3474,
0.3995

■ 8.4672, 0.3694,
0.4564

■ 65.8847, 0.3442,
0.3923

■ 4.3953, 0.3785,
0.4870

■ 87.4706, 0.3416,
0.3865

■ 1.8971, 0.4206,
0.5794

■ 113.3208, 0.3393,
0.3816

■ 0.5466, 0.3051,
0.6949

■ 143.8198, 0.3374,
0.3775

■ 0.0000, 0.0000,
0.0000

179.3520, 0.3357,

0.3739

220.3018, 0.3342,
0.3709

■ 22.8694, 0.3560,
0.4200

■ 22.8694, 0.3560,
0.4200

■ 22.5043, 0.3666,
0.4445

■ 23.2819, 0.3445,
0.3947

■ 22.1811, 0.3759,
0.4672

■ 23.7410, 0.3326,
0.3695

■ 21.8983, 0.3833,
0.4872

■ 24.2496, 0.3206,
0.3450

■ 21.6529, 0.3885,
0.5036

■ 24.8099, 0.3090,
0.3216

■ 21.4414, 0.3913,
0.5160

■ 25.4235, 0.2978,
0.2997

■ 21.2579, 0.3919,
0.5244

■ 26.0922, 0.2873,
0.2794

■ 21.2007, 0.3920,
0.5270

■ 26.8177, 0.2775,
0.2607

■ 27.6014, 0.2684,
0.2438

■ 28.4451, 0.2600,
0.2284

Harmonies

Analogous

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



22.8694, 0.3954, 0.4039



22.8694, 0.3560, 0.4200



22.8694, 0.3068, 0.4075

Triad

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



22.8694, 0.3560, 0.4200



22.8694, 0.2216, 0.2759



22.8694, 0.3631, 0.2933

Complementary

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



22.8694, 0.3560, 0.4200



10.8148, 0.2585, 0.2256

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.



22.8694, 0.3123, 0.2647



22.8694, 0.3560, 0.4200



22.8694, 0.2336, 0.2532

Square

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



22.8694, 0.3560, 0.4200



22.8694, 0.2312, 0.3171



22.8694, 0.2654, 0.2501



22.8694, 0.4012, 0.3307

Rectangle

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



22.8694, 0.3560, 0.4200



22.8694, 0.2753, 0.3831



22.8694, 0.2654, 0.2501



22.8694, 0.3467, 0.2825

Sweetspot

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



22.8704, 0.3560, 0.4200



42.3182, 0.3260, 0.3558



13.8242, 0.3923, 0.3434



9.7765, 0.3273, 0.3587



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.8704, 0.3560, 0.4200



39.7659, 0.3648, 0.4401



21.1957, 0.3268, 0.4293



5.8050, 0.3235, 0.3508



20.0668, 0.3920, 0.5269



0.1383, 0.4062, 0.5157

Inverse Universe

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



10.8148, 0.2585, 0.2256



15.3441, 0.2436, 0.1989



12.3209, 0.2917, 0.2347



4.9283, 0.3014, 0.3066



1.8448, 0.1585, 0.0647



0.0165, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 22.8694, 0.3560, 0.4200 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 22.8694, 0.3560, 0.4200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

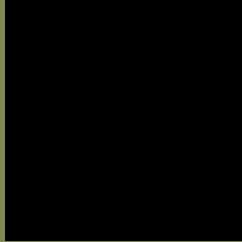
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8694, 0.3560, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 22.8694, 0.3560, 0.4200.



This preview shows how white text looks on a background with the Yxy color 22.8694, 0.3560, 0.4200.

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

22.8694, 0.3560, 0.4200

Protanopia

22.7123, 0.3797, 0.4098

Deuteranopia

22.7944, 0.3965, 0.3908



Tritanopia

22.7449, 0.3079, 0.3102

Trichromacy



Original Color

22.8694, 0.3560, 0.4200

Protanomaly

22.8342, 0.3711, 0.4132

Deuteranomaly

22.7644, 0.3809, 0.4022

Tritanomaly

22.7641, 0.3256, 0.3504

Monochromacy



Original Color

22.8694, 0.3560, 0.4200

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0140, 0.3288, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8694, 0.3560, 0.4200 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, 136, 86)` looks like.

```
.text, #text, p{  
    color:rgb(128, 136, 86)  
}
```

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, 136, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 136, 86) }
```

Border

The CSS property to change the border of an element to Yxy 22.8694, 0.3560, 0.4200 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, 136, 86) }
```

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

```
.border{ border-color:rgb(128, 136, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 136, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 136, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 136, 86);  
box-shadow:4px 4px 4px 4px rgb(128, 136,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8694, 0.3560, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 136, 86) }
```

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

```
.background{ background-color: rgb(128,  
136, 86) }
```

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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