

Converting Colors

$Y_{xy}(22.7335, 0.3709, 0.4153)$

Have a look what the booklet for
Yxy(22.7335, 0.3709, 0.4153)
contains.

Yxy(22.7335, 0.3709, 0.4153)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7335, 0.3709, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	898554
RGB	137, 133, 84
RGB Percent	54%, 52%, 33%
CMY	0.4628, 0.4784, 0.6706
CMYK	0.00, 0.03, 0.39, 0.46
HSL	55°, 24%, 43%
HSV	55°, 39%, 54%
XYZ	20.3030, 22.7335, 11.7034
YIQ	128.6100, 18.1130, -14.3910

Conversions

Conversions Part 2

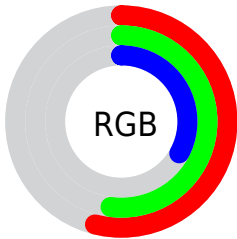
Format	Color
RYB	88, 137, 84
Decimal	9012564
CIELab	54.80, -6.27, 26.97
CIELCh	55, 27.690, 103.085
Yxy	22.7335, 0.3709, 0.4153
Android (android.graphics.Color)	4287202644 (0xFF898554)
YUV	128.6100, -21.9927, 7.3580
Hunter-Lab	47.6797, -7.4302, 18.8225

Details

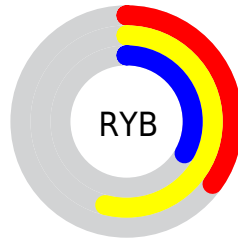
The Yxy color **22.7335, 0.3709, 0.4153** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.6661, 0.2458, 0.2249**, and the grayscale version is **21.8829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9154, 0.3589, 0.3967**, and **8.4590, 0.3894, 0.4477** is the 20% darker color. If you saturate the color by 10%, you get **22.2597, 0.3855, 0.4361**, and if you desaturate by 10%, it is **23.2541, 0.3556, 0.3931**.

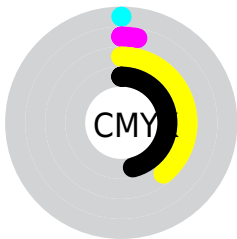
Distribution



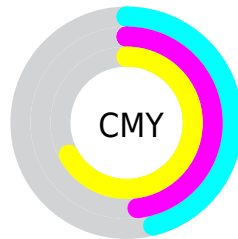
- Red (54%)
- Green (52%)
- Blue (33%)



- Red (35%)
- Yellow (54%)
- Blue (33%)



- Cyan (0%)
- Magenta (3%)
- Yellow (39%)
- Black (46%)



- Cyan (46%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7335, 0.3709, 0.4153 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 22.7335, 0.3709, 0.4153 by changing the saturation by 10% instead.

■ 22.7335, 0.3709,
0.4153

■ 22.7335, 0.3709,
0.4153

■ 266.3532, 0.3393,
0.3669

■ 14.3969, 0.3794,
0.4292

■ 47.9554, 0.3589,
0.3964

■ 8.3972, 0.3903,
0.4480

■ 65.6094, 0.3545,
0.3896

■ 4.3501, 0.4044,
0.4745

■ 87.1379, 0.3509,
0.3841

■ 1.8713, 0.4512,
0.5488

■ 112.9255, 0.3479,
0.3795

■ 0.5310, 0.3984,
0.6016

■ 143.3564, 0.3453,
0.3756

■ 0.0000, 0.0000,
0.0000

178.8151, 0.3430,

0.3723

219.6859, 0.3410,
0.3694

■ 22.7335, 0.3709,
0.4153

■ 22.7335, 0.3709,
0.4153

■ 22.2597, 0.3855,
0.4361

■ 23.2541, 0.3556,
0.3931

■ 21.8272, 0.3990,
0.4547

■ 23.8207, 0.3403,
0.3705

■ 21.4343, 0.4107,
0.4702

■ 24.4364, 0.3253,
0.3480

■ 21.0778, 0.4202,
0.4820

■ 25.1032, 0.3109,
0.3262

■ 20.7543, 0.4272,
0.4897

■ 25.8230, 0.2973,
0.3055

■ 20.4553, 0.4321,
0.4940

■ 26.5975, 0.2847,
0.2861

■ 20.4165, 0.4328,
0.4946

■ 27.4284, 0.2732,
0.2681

■ 28.3172, 0.2626,
0.2515

■ 29.2657, 0.2530,
0.2364

Harmonies

Analogous

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



22.7335, 0.4030, 0.3921



22.7335, 0.3709, 0.4153



22.7335, 0.3246, 0.4138

Triad

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



22.7335, 0.3709, 0.4153



22.7335, 0.2242, 0.2898



22.7335, 0.3448, 0.2826

Complementary

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



22.7335, 0.3709, 0.4153



10.6661, 0.2458, 0.2249

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.



22.7335, 0.2947, 0.2589



22.7335, 0.3709, 0.4153



22.7335, 0.2284, 0.2604

Square

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



22.7335, 0.3709, 0.4153



22.7335, 0.2412, 0.3350



22.7335, 0.2531, 0.2505



22.7335, 0.3884, 0.3170

Rectangle

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



22.7335, 0.3709, 0.4153



22.7335, 0.2923, 0.3961



22.7335, 0.2531, 0.2505



22.7335, 0.3279, 0.2732

Sweetspot

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



22.7345, 0.3709, 0.4153



43.3618, 0.3306, 0.3560



12.3684, 0.3961, 0.3210



9.6991, 0.3322, 0.3584



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.



22.7345, 0.3709, 0.4153



40.0049, 0.3832, 0.4328



22.1678, 0.3418, 0.4304



5.7817, 0.3260, 0.3490



19.0279, 0.4327, 0.4946



0.1353, 0.4254, 0.5004

Inverse Universe

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



10.6661, 0.2458, 0.2249



15.3566, 0.2291, 0.1981



11.2141, 0.2730, 0.2245



4.9488, 0.2991, 0.3082



1.8989, 0.1519, 0.0669



0.0195, 0.1604, 0.0974

Previews

White Background



This preview shows how the Yxy color 22.7335, 0.3709, 0.4153 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 22.7335, 0.3709, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

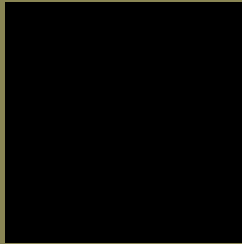
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7335, 0.3709, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 22.7335, 0.3709, 0.4153.



This preview shows how white text looks on a background with the Yxy color 22.7335, 0.3709, 0.4153.

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

22.7335, 0.3709, 0.4153

Protanopia

22.6968, 0.3808, 0.4115

Deuteranopia

22.6082, 0.4008, 0.3920



Tritanopia

22.8245, 0.3206, 0.3123

Trichromacy



Original Color

22.7335, 0.3709, 0.4153

Protanomaly

22.7898, 0.3776, 0.4138

Deuteranomaly

22.5783, 0.3896, 0.4010

Tritanomaly

22.6712, 0.3394, 0.3481

Monochromacy



Original Color

22.7335, 0.3709, 0.4153

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0631, 0.3338, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7335, 0.3709, 0.4153 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(137, 133, 84)` looks like.

```
.text, #text, p{  
    color:rgb(137, 133, 84)  
}
```

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(137, 133, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 133, 84) }
```

Border

The CSS property to change the border of an element to Yxy 22.7335, 0.3709, 0.4153 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(137, 133, 84) }
```

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

```
.border{ border-color:rgb(137, 133, 84) }
```

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

Here you see how a box with a 4 pixel rgb(137, 133, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 133, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 133, 84);  
box-shadow:4px 4px 4px 4px rgb(137, 133,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7335, 0.3709, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 133, 84) }
```

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

```
.background{ background-color: rgb(137,  
133, 84) }
```

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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