

Converting Colors

$Y_{xy}(22.2692, 0.3358, 0.3878)$

Have a look what the booklet for
Yxy(22.2692, 0.3358, 0.3878)
contains.

Yxy(22.3695, 0.3364, 0.3882)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3695, 0.3364, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	7D8666
RGB	125, 134, 102
RGB Percent	49%, 53%, 40%
CMY	0.5097, 0.4745, 0.5999
CMYK	0.07, 0.00, 0.24, 0.47
HSL	77°, 14%, 46%
HSV	77°, 24%, 53%
XYZ	19.3846, 22.3695, 15.8696
YIQ	127.6610, 4.9080, -11.8600

Conversions

Conversions Part 2

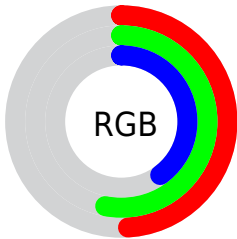
Format	Color
RYB	102, 134, 111
Decimal	8226406
CIELab	54.42, -9.21, 16.16
CIELCh	54, 18.596, 119.681
Yxy	22.3695, 0.3364, 0.3882
Android (android.graphics.Color)	4286416486 (0xFF7D8666)
YUV	127.6610, -12.6509, -2.3337
Hunter-Lab	47.2964, -9.6099, 13.2137

Details

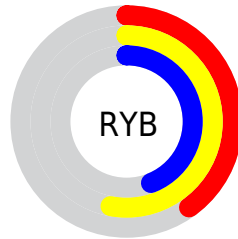
The Yxy color $22.3695, 0.3364, 0.3882$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $14.6044, 0.2850, 0.2667$, and the grayscale version is $21.5086, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.3055, 0.3317, 0.3747$, and $8.1530, 0.3451, 0.4113$ is the 20% darker color. If you saturate the color by 10%, you get $21.8483, 0.3460, 0.4145$, and if you desaturate by 10%, it is $22.9464, 0.3265, 0.3625$.

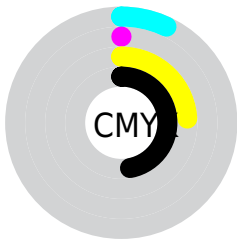
Distribution



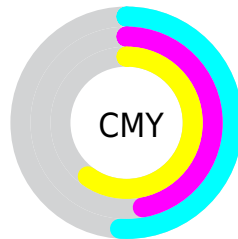
- Red (49%)
- Green (53%)
- Blue (40%)



- Red (40%)
- Yellow (53%)
- Blue (44%)



- Cyan (7%)
- Magenta (0%)
- Yellow (24%)
- Black (47%)





- Cyan (51%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3695, 0.3364, 0.3882 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 22.3695, 0.3364, 0.3882 by changing the saturation by 10% instead.


 22.3695, 0.3364,
0.3882


 22.3695, 0.3364,
0.3882


264.4699, 0.3235,
0.3544


 14.1287, 0.3399,
0.3984


 47.3559, 0.3315,
0.3747

 8.2102, 0.3446,
0.4128


 64.8703, 0.3297,
0.3700

 4.2297, 0.3510,
0.4346

 86.2447, 0.3282,
0.3662

 1.8029, 0.3636,
0.4759

 111.8634, 0.3270,
0.3630

 0.4890, 0.3292,
0.6708

142.1109, 0.3259,
0.3603

 0.0000, 0.0000,
0.0000

177.3715, 0.3250,

0.3581

218.0297, 0.3242,
0.3561

■ 22.3695, 0.3364,
0.3882

■ 22.3695, 0.3364,
0.3882

■ 21.8483, 0.3460,
0.4145

■ 22.9464, 0.3265,
0.3625

■ 21.3776, 0.3548,
0.4408

■ 23.5779, 0.3165,
0.3381

■ 20.9560, 0.3624,
0.4660

■ 24.2672, 0.3068,
0.3151

■ 20.5810, 0.3683,
0.4891

■ 25.0158, 0.2975,
0.2939

■ 20.2498, 0.3722,
0.5092

■ 25.8256, 0.2887,
0.2745

■ 19.9590, 0.3737,
0.5252

■ 26.6983, 0.2804,
0.2569

■ 19.7048, 0.3728,
0.5368

■ 27.6354, 0.2727,
0.2409

■ 19.5593, 0.3718,
0.5430

■ 28.6384, 0.2657,
0.2265

■ 29.7088, 0.2591,
0.2135

Harmonies

Analogous

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



22.3695, 0.3642, 0.3827



22.3695, 0.3364, 0.3882



22.3695, 0.3033, 0.3755

Triad

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



22.3695, 0.3364, 0.3882



22.3695, 0.2511, 0.2902



22.3695, 0.3520, 0.3098

Complementary

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



22.3695, 0.3364, 0.3882



14.6044, 0.2850, 0.2667

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.



22.3695, 0.3196, 0.2881



22.3695, 0.3364, 0.3882



22.3695, 0.2624, 0.2763

Square

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



22.3695, 0.3364, 0.3882



22.3695, 0.2551, 0.3162



22.3695, 0.2869, 0.2760



22.3695, 0.3739, 0.3367

Rectangle

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



22.3695, 0.3364, 0.3882



22.3695, 0.2827, 0.3584



22.3695, 0.2869, 0.2760



22.3695, 0.3419, 0.3018

Sweetspot

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



22.3705, 0.3364, 0.3882



41.1691, 0.3198, 0.3459



17.2965, 0.3563, 0.3450



9.2635, 0.3202, 0.3470



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.



22.3705, 0.3364, 0.3882



38.8760, 0.3420, 0.4034



21.2896, 0.3181, 0.3917



5.3592, 0.3217, 0.3507



18.3372, 0.3720, 0.5429



0.0672, 0.3952, 0.5244

Inverse Universe

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



14.6044, 0.2850, 0.2667



22.5628, 0.2770, 0.2497



15.7026, 0.3054, 0.2703



4.6031, 0.3032, 0.3069



1.9963, 0.1703, 0.0712



0.0102, 0.2140, 0.0952

Previews

White Background



This preview shows how the Yxy color 22.3695, 0.3364, 0.3882 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 22.3695, 0.3364, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

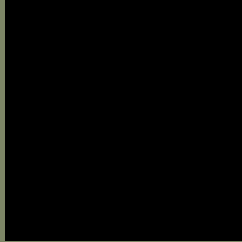
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3695, 0.3364, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 22.3695, 0.3364, 0.3882.



This preview shows how white text looks on a background with the Yxy color 22.3695, 0.3364, 0.3882.

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

22.3695, 0.3364, 0.3882

Protanopia

22.3743, 0.3573, 0.3820

Deuteranopia

22.2460, 0.3702, 0.3644



Tritanopia

22.3104, 0.3032, 0.3115

Trichromacy



Original Color

22.3695, 0.3364, 0.3882

Protanomaly

22.2405, 0.3495, 0.3830

Deuteranomaly

22.1684, 0.3585, 0.3727

Tritanomaly

22.3282, 0.3146, 0.3380

Monochromacy



Original Color

22.3695, 0.3364, 0.3882

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8092, 0.3211, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3695, 0.3364, 0.3882 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(125, 134, 102)` looks like.

```
.text, #text, p{  
    color:rgb(125, 134, 102)  
}
```

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(125, 134, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 134, 102) }
```

Border

The CSS property to change the border of an element to Yxy 22.3695, 0.3364, 0.3882 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(125, 134, 102) }
```

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

```
.border{ border-color:rgb(125, 134, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 134, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 134, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 134, 102);  
box-shadow:4px 4px 4px 4px rgb(125, 134,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3695, 0.3364, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 134, 102) }
```

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

```
.background{ background-color: rgb(125,  
134, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor