

Converting Colors

$Y_{xy}(22.1884, 0.3380, 0.3827)$

Have a look what the booklet for
Yxy(22.1884, 0.3380, 0.3827)
contains.

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Color

Yxy(22.2664, 0.3380, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	7F8567
RGB	127, 133, 103
RGB Percent	50%, 52%, 40%
CMY	0.5019, 0.4784, 0.5960
CMYK	0.05, 0.00, 0.23, 0.48
HSL	72°, 13%, 46%
HSV	72°, 23%, 52%
XYZ	19.5889, 22.2664, 16.1000
YIQ	127.7860, 6.0540, -10.6020

Conversions

Conversions Part 2

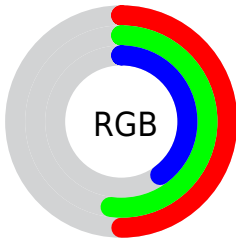
Format	Color
R_{YB}	103, 133, 109
Decimal	8357223
CIE _{Lab}	54.31, -7.71, 15.46
CIE _{LCh}	54, 17.278, 116.505
Yxy	22.2664, 0.3380, 0.3842
Android (android.graphics.Color)	4286547303 (0xFF7F8567)
YUV	127.7860, -12.2195, -0.6893
Hunter-Lab	47.1873, -8.4770, 12.8018

Details

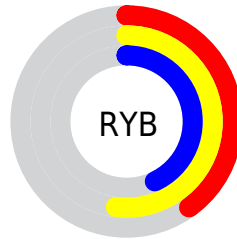
The Yxy color $22.2664, 0.3380, 0.3842$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $14.6480, 0.2838, 0.2700$, and the grayscale version is $21.5508, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.1542, 0.3329, 0.3718$, and $8.2459, 0.3472, 0.4075$ is the 20% darker color. If you saturate the color by 10%, you get $21.8196, 0.3490, 0.4098$, and if you desaturate by 10%, it is $22.7631, 0.3267, 0.3591$.

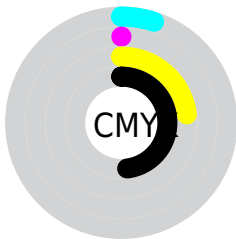
Distribution



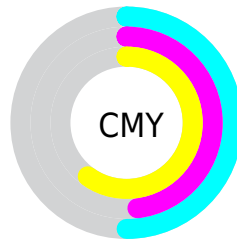
- Red (50%)
- Green (52%)
- Blue (40%)



- Red (40%)
- Yellow (52%)
- Blue (43%)



- Cyan (5%)
- Magenta (0%)
- Yellow (23%)
- Black (48%)





- Cyan (50%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2664, 0.3380, 0.3842 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 22.2664, 0.3380, 0.3842 by changing the saturation by 10% instead.


 22.2664, 0.3380,
0.3842


 22.2664, 0.3380,
0.3842


263.9343, 0.3241,
0.3527


 14.0528, 0.3419,
0.3937


 47.1859, 0.3327,
0.3717

 8.1574, 0.3471,
0.4070


 64.6606, 0.3308,
0.3673

 4.1958, 0.3543,
0.4271

 85.9911, 0.3292,
0.3637

 1.7837, 0.3678,
0.4645

 111.5617, 0.3278,
0.3608

 0.4770, 0.3573,
0.6427

141.7570, 0.3267,
0.3583

 0.0000, 0.0000,
0.0000

176.9613, 0.3257,

0.3562

217.5589, 0.3249,
0.3543

■ 22.2664, 0.3380,
0.3842

■ 22.2664, 0.3380,
0.3842

■ 21.8196, 0.3490,
0.4098

■ 22.7631, 0.3267,
0.3591

■ 21.4176, 0.3594,
0.4351

■ 23.3086, 0.3155,
0.3349

■ 21.0593, 0.3686,
0.4593

■ 23.9057, 0.3047,
0.3122

■ 20.7422, 0.3761,
0.4813

■ 24.5560, 0.2943,
0.2911

■ 20.4636, 0.3816,
0.5001

■ 25.2614, 0.2846,
0.2716

■ 20.2206, 0.3848,
0.5151

■ 26.0231, 0.2755,
0.2539

■ 20.0095, 0.3856,
0.5258

■ 26.8429, 0.2671,
0.2378

■ 19.8643, 0.3853,
0.5323

■ 27.7220, 0.2594,
0.2232

■ 28.6619, 0.2523,
0.2101

Harmonies

Analogous

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



22.2664, 0.3628, 0.3777



22.2664, 0.3380, 0.3842



22.2664, 0.3073, 0.3741

Triad

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



22.2664, 0.3380, 0.3842



22.2664, 0.2548, 0.2951



22.2664, 0.3464, 0.3087

Complementary

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



22.2664, 0.3380, 0.3842



14.6480, 0.2838, 0.2700

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.



22.2664, 0.3159, 0.2891



22.2664, 0.3380, 0.3842



22.2664, 0.2640, 0.2806

Square

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



22.2664, 0.3380, 0.3842



22.2664, 0.2601, 0.3203



22.2664, 0.2858, 0.2789



22.2664, 0.3681, 0.3336

Rectangle

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



22.2664, 0.3380, 0.3842



22.2664, 0.2876, 0.3591



22.2664, 0.2858, 0.2789



22.2664, 0.3367, 0.3013

Sweetspot

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



22.2674, 0.3380, 0.3842



41.2781, 0.3207, 0.3459



16.9055, 0.3542, 0.3404



9.2896, 0.3212, 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.



22.2674, 0.3380, 0.3842



39.4585, 0.3436, 0.3972



21.2004, 0.3201, 0.3874



5.3773, 0.3229, 0.3507



18.9239, 0.3854, 0.5322



0.0685, 0.4027, 0.5185

Inverse Universe

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



14.6480, 0.2838, 0.2700



23.3334, 0.2761, 0.2550



15.6816, 0.3032, 0.2733



4.5861, 0.3020, 0.3068



1.8328, 0.1619, 0.0665



0.0089, 0.1974, 0.0861

Previews

White Background



This preview shows how the Yxy color 22.2664, 0.3380, 0.3842 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 22.2664, 0.3380, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

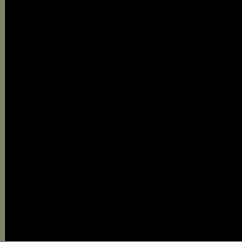
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

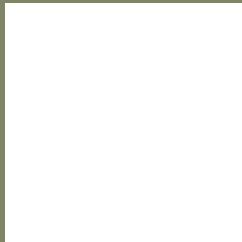
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2664, 0.3380, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 22.2664, 0.3380, 0.3842.



This preview shows how white text looks on a background with the Yxy color 22.2664, 0.3380, 0.3842.

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

22.2664, 0.3380, 0.3842

Protanopia

22.3081, 0.3549, 0.3804

Deuteranopia

22.2665, 0.3689, 0.3628



Tritanopia

22.1789, 0.3066, 0.3116

Trichromacy



Original Color

22.2664, 0.3380, 0.3842

Protanomaly

22.2602, 0.3484, 0.3812

Deuteranomaly

22.1886, 0.3573, 0.3710

Tritanomaly

22.1918, 0.3181, 0.3379

Monochromacy



Original Color

22.2664, 0.3380, 0.3842

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8864, 0.3223, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2664, 0.3380, 0.3842 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(127, 133, 103)` looks like.

```
.text, #text, p{  
    color:rgb(127, 133, 103)  
}
```

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(127, 133, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 133, 103) }
```

Border

The CSS property to change the border of an element to Yxy 22.2664, 0.3380, 0.3842 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(127, 133, 103) }
```

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

```
.border{ border-color:rgb(127, 133, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 133, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 133, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 133, 103);  
box-shadow:4px 4px 4px 4px rgb(127, 133,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2664, 0.3380, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 133, 103) }
```

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

```
.background{ background-color: rgb(127,  
133, 103) }
```

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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