

Converting Colors

$Y_{xy}(21.6860, 0.3552, 0.4286)$

Have a look what the booklet for
Yxy(21.6860, 0.3552, 0.4286)
contains.

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Color

Yxy(21.7819, 0.3547, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	7A8651
RGB	122, 134, 81
RGB Percent	48%, 53%, 32%
CMY	0.5215, 0.4745, 0.6824
CMYK	0.09, 0.00, 0.40, 0.47
HSL	74°, 25%, 42%
HSV	74°, 40%, 53%
XYZ	18.0389, 21.7819, 11.0359
YIQ	124.3700, 9.8610, -19.0270

Conversions

Conversions Part 2

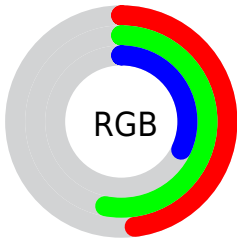
Format	Color
RYB	81, 134, 93
Decimal	8029777
CIELab	53.79, -13.50, 27.09
CIELCh	54, 30.265, 116.494
Yxy	21.7819, 0.3547, 0.4283
Android (android.graphics.Color)	4286219857 (0xFF7A8651)
YUV	124.3700, -21.3814, -2.0785
Hunter-Lab	46.6711, -12.6823, 18.6500

Details

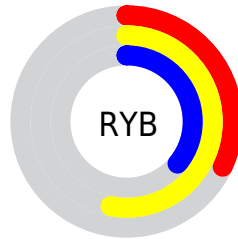
The Yxy color $21.7819, 0.3547, 0.4283$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $9.9296, 0.2581, 0.2181$, and the grayscale version is $20.3578, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.2933, 0.3464, 0.4055$, and $7.8397, 0.3666, 0.4676$ is the 20% darker color. If you saturate the color by 10%, you get $21.3838, 0.3638, 0.4533$, and if you desaturate by 10%, it is $22.2285, 0.3445, 0.4025$.

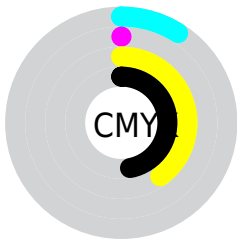
Distribution



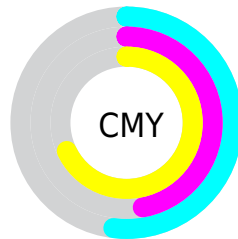
- Red (48%)
- Green (53%)
- Blue (32%)



- Red (32%)
- Yellow (53%)
- Blue (36%)



- Cyan (9%)
- Magenta (0%)
- Yellow (40%)
- Black (47%)





- Cyan (52%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7819, 0.3547, 0.4283 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 21.7819, 0.3547, 0.4283 by changing the saturation by 10% instead.


 21.7819, 0.3547,
0.4283


 21.7819, 0.3547,
0.4283


261.4052, 0.3325,
0.3712


 13.6967, 0.3602,
0.4454


 46.3853, 0.3465,
0.4055


 7.9100, 0.3670,
0.4692


 63.6722, 0.3434,
0.3976

 4.0374, 0.3745,
0.5039

 84.7953, 0.3409,
0.3912

 1.6945, 0.4052,
0.5948

 110.1388, 0.3387,
0.3858

 0.4201, 0.1423,
0.8577

 140.0871, 0.3368,
0.3813

 0.0000, 0.0000,
0.0000

175.0247, 0.3352,

0.3774

215.3359, 0.3337,
0.3741

■ 21.7819, 0.3547,
0.4283

■ 21.7819, 0.3547,
0.4283

■ 21.3838, 0.3638,
0.4533

■ 22.2285, 0.3445,
0.4025

■ 21.0288, 0.3715,
0.4765

■ 22.7229, 0.3338,
0.3768

■ 20.7154, 0.3772,
0.4969

■ 23.2682, 0.3230,
0.3518

■ 20.4404, 0.3806,
0.5136

■ 23.8662, 0.3122,
0.3280

■ 20.2005, 0.3817,
0.5261

■ 24.5188, 0.3019,
0.3057

■ 19.9861, 0.3809,
0.5353

■ 25.2276, 0.2920,
0.2852

■ 19.9768, 0.3809,
0.5358

■ 25.9945, 0.2828,
0.2663

■ 26.8208, 0.2742,
0.2492

■ 27.7082, 0.2663,
0.2336

Harmonies

Analogous

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



21.7819, 0.3991, 0.4123



21.7819, 0.3547, 0.4283



21.7819, 0.3012, 0.4122

Triad

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



21.7819, 0.3547, 0.4283



21.7819, 0.2148, 0.2682



21.7819, 0.3718, 0.2936

Complementary

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



21.7819, 0.3547, 0.4283



9.9296, 0.2581, 0.2181

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.



21.7819, 0.3170, 0.2619



21.7819, 0.3547, 0.4283



21.7819, 0.2295, 0.2460

Square

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



21.7819, 0.3547, 0.4283



21.7819, 0.2228, 0.3111



21.7819, 0.2653, 0.2447



21.7819, 0.4113, 0.3341

Rectangle

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



21.7819, 0.3547, 0.4283



21.7819, 0.2678, 0.3837



21.7819, 0.2653, 0.2447



21.7819, 0.3543, 0.2817

Sweetspot

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



21.7829, 0.3547, 0.4283



40.7292, 0.3259, 0.3584



13.3989, 0.3980, 0.3512



9.1529, 0.3271, 0.3610



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.



21.7829, 0.3547, 0.4283



37.7800, 0.3625, 0.4496



20.1306, 0.3235, 0.4390



5.3714, 0.3225, 0.3507



18.7270, 0.3810, 0.5357



0.0681, 0.4003, 0.5203

Inverse Universe

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



9.9296, 0.2581, 0.2181



14.0046, 0.2435, 0.1909



11.5249, 0.2948, 0.2288



4.5916, 0.3024, 0.3068



1.8797, 0.1643, 0.0679



0.0093, 0.2029, 0.0891

Previews

White Background



This preview shows how the Yxy color 21.7819, 0.3547, 0.4283 looks on a white background.

Color Contrast Check

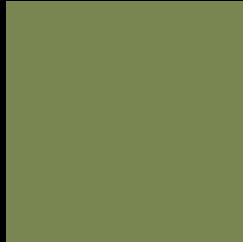
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7819, 0.3547, 0.4283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

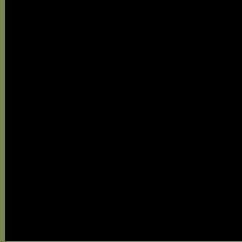
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7819, 0.3547, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 21.7819, 0.3547, 0.4283.



This preview shows how white text looks on a background with the Yxy color 21.7819, 0.3547, 0.4283.

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

21.7819, 0.3547, 0.4283

Protanopia

21.5783, 0.3833, 0.4147

Deuteranopia

21.6760, 0.3995, 0.3934



Tritanopia

21.6520, 0.3043, 0.3114

Trichromacy



Original Color

21.7819, 0.3547, 0.4283

Protanomaly

21.5310, 0.3719, 0.4191

Deuteranomaly

21.5541, 0.3822, 0.4057

Tritanomaly

21.6852, 0.3222, 0.3529

Monochromacy



Original Color

21.7819, 0.3547, 0.4283

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.7320, 0.3289, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7819, 0.3547, 0.4283 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(122, 134, 81)` looks like.

```
.text, #text, p{  
    color:rgb(122, 134, 81)  
}
```

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(122, 134, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 134, 81) }
```

Border

The CSS property to change the border of an element to Yxy 21.7819, 0.3547, 0.4283 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(122, 134, 81) }
```

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

```
.border{ border-color:rgb(122, 134, 81) }
```

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

Here you see how a box with a 4 pixel rgb(122, 134, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 134, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 134, 81);  
box-shadow:4px 4px 4px 4px rgb(122, 134,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7819, 0.3547, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 134, 81) }
```

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

```
.background{ background-color: rgb(122,  
134, 81) }
```

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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