

Converting Colors

$Y_{xy}(21.5349, 0.3507, 0.3795)$

Have a look what the booklet for
Yxy(21.5349, 0.3507, 0.3795)
contains.

Yxy(21.4463, 0.3507, 0.3779)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4463, 0.3507, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	868065
RGB	134, 128, 101
RGB Percent	53%, 50%, 40%
CMY	0.4744, 0.4981, 0.6039
CMYK	0.00, 0.04, 0.25, 0.47
HSL	49°, 14%, 46%
HSV	49°, 25%, 53%
XYZ	19.9027, 21.4463, 15.4023
YIQ	126.7160, 12.2430, -7.1250

Conversions

Conversions Part 2

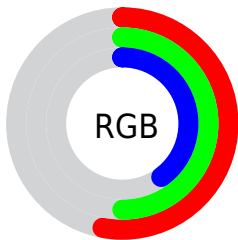
Format	Color
RYB	108, 134, 101
Decimal	8814693
CIELab	53.43, -2.37, 15.51
CIElCh	53, 15.687, 98.708
Yxy	21.4463, 0.3507, 0.3779
Android (android.graphics.Color)	4287004773 (0xFF868065)
YUV	126.7160, -12.6780, 6.3881
Hunter-Lab	46.3102, -4.3290, 12.6978

Details

The Yxy color $21.4463, 0.3507, 0.3779$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.0104, 0.2734, 0.2748$, and the grayscale version is $21.1636, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.0061, 0.3427, 0.3673$, and $7.7431, 0.3656, 0.3977$ is the 20% darker color. If you saturate the color by 10%, you get $20.5749, 0.3674, 0.3982$, and if you desaturate by 10%, it is $22.3779, 0.3346, 0.3576$.

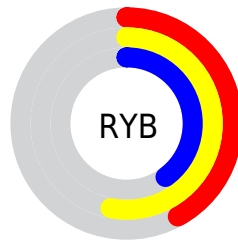
Distribution



Red (53%)

Green (50%)

Blue (40%)



Red (42%)

Yellow (53%)

Blue (40%)

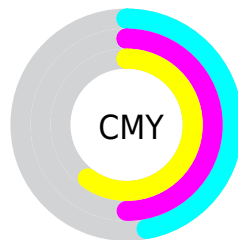


Cyan (0%)

Magenta (4%)

Yellow (25%)

Black (47%)



Cyan (47%)


Magenta (50%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4463, 0.3507, 0.3779 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 21.4463, 0.3507, 0.3779 by changing the saturation by 10% instead.


 21.4463, 0.3507,
0.3779


 21.4463, 0.3507,
0.3779


259.6409, 0.3294,
0.3502


 13.4506, 0.3569,
0.3861


 45.8291, 0.3424,
0.3669


 7.7396, 0.3654,
0.3976


 62.9851, 0.3394,
0.3631

 3.9288, 0.3778,
0.4146

 83.9632, 0.3370,
0.3600

 1.6338, 0.4035,
0.4493

 109.1480, 0.3350,
0.3574

 0.3802, 0.4438,
0.5562

138.9237, 0.3333,
0.3552

 0.0000, 0.0000,
0.0000

173.6749, 0.3318,

0.3533

213.7858, 0.3305,
0.3516

■ 21.4463, 0.3507,
0.3779

■ 21.4463, 0.3507,
0.3779

■ 20.5749, 0.3674,
0.3982

■ 22.3779, 0.3346,
0.3576

■ 19.7586, 0.3842,
0.4177

■ 23.3688, 0.3194,
0.3379

■ 18.9960, 0.4007,
0.4357

■ 24.4220, 0.3053,
0.3190

■ 18.2845, 0.4161,
0.4513

■ 25.5391, 0.2923,
0.3012

■ 17.6213, 0.4299,
0.4635

■ 26.7220, 0.2804,
0.2847

■ 17.0032, 0.4413,
0.4717

■ 27.9724, 0.2696,
0.2694

■ 16.4257, 0.4502,
0.4757

■ 29.2917, 0.2599,
0.2554

■ 16.1263, 0.4546,
0.4772

■ 30.6816, 0.2511,
0.2425

■ 32.1434, 0.2432,
0.2308

Harmonies

Analogous

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



21.4463, 0.3667, 0.3646



21.4463, 0.3507, 0.3779



21.4463, 0.3248, 0.3777

Triad

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



21.4463, 0.3507, 0.3779



21.4463, 0.2606, 0.3108



21.4463, 0.3275, 0.2987

Complementary

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



21.4463, 0.3507, 0.3779



15.0104, 0.2734, 0.2748

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.



21.4463, 0.2987, 0.2853



21.4463, 0.3507, 0.3779



21.4463, 0.2612, 0.2911

Square

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



21.4463, 0.3507, 0.3779



21.4463, 0.2733, 0.3372



21.4463, 0.2748, 0.2823



21.4463, 0.3532, 0.3194

Rectangle

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



21.4463, 0.3507, 0.3779



21.4463, 0.3057, 0.3690



21.4463, 0.2748, 0.2823



21.4463, 0.3178, 0.2932

Sweetspot

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



21.4473, 0.3507, 0.3779



40.7076, 0.3231, 0.3428



15.4406, 0.3529, 0.3178



9.1530, 0.3238, 0.3437



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.



21.4473, 0.3507, 0.3779



36.8354, 0.3607, 0.3901



22.2499, 0.3357, 0.3905



5.2823, 0.3261, 0.3466



15.1206, 0.4545, 0.4773



0.0617, 0.4354, 0.4925

Inverse Universe

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



15.0104, 0.2734, 0.2748



23.3251, 0.2626, 0.2593



14.4387, 0.2855, 0.2647



4.6721, 0.2992, 0.3107



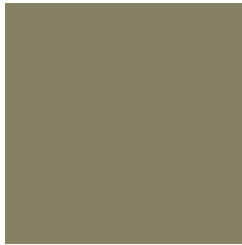
2.2559, 0.1558, 0.0807



0.0157, 0.1730, 0.1427

Previews

White Background



This preview shows how the Yxy color 21.4463, 0.3507, 0.3779 looks on a white background.

Color Contrast Check

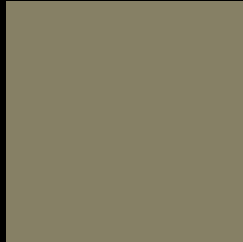
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4463, 0.3507, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

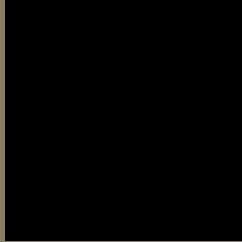
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4463, 0.3507, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 21.4463, 0.3507, 0.3779.



This preview shows how white text looks on a background with the Yxy color 21.4463, 0.3507, 0.3779.

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

21.4463, 0.3507, 0.3779

Protanopia

21.3526, 0.3536, 0.3758

Deuteranopia

21.5148, 0.3710, 0.3649



Tritanopia

21.5120, 0.3195, 0.3135

Trichromacy



Original Color

21.4463, 0.3507, 0.3779

Protanomaly

21.2692, 0.3523, 0.3760

Deuteranomaly

21.5558, 0.3636, 0.3691

Tritanomaly

21.3661, 0.3319, 0.3361

Monochromacy



Original Color

21.4463, 0.3507, 0.3779

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2326, 0.3264, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4463, 0.3507, 0.3779 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(134, 128, 101)` looks like.

```
.text, #text, p{  
    color:rgb(134, 128, 101)  
}
```

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(134, 128, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 128, 101) }
```

Border

The CSS property to change the border of an element to Yxy 21.4463, 0.3507, 0.3779 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(134, 128, 101) }
```

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

```
.border{ border-color:rgb(134, 128, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 128, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 128, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 128, 101);  
box-shadow:4px 4px 4px 4px rgb(134, 128,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4463, 0.3507, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 128, 101) }
```

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

```
.background{ background-color: rgb(134,  
128, 101) }
```

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