

Converting Colors

$Y_{xy}(21.6514, 0.3509, 0.3738)$

Have a look what the booklet for
Yxy(21.6514, 0.3509, 0.3738)
contains.

Yxy(21.6519, 0.3509, 0.3739)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.6519, 0.3509, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	888067
RGB	136, 128, 103
RGB Percent	53%, 50%, 40%
CMY	0.4667, 0.4980, 0.5961
CMYK	0.00, 0.06, 0.24, 0.47
HSL	45°, 14%, 47%
HSV	45°, 24%, 53%
XYZ	20.3200, 21.6519, 15.9364
YIQ	127.5420, 12.7930, -6.0790

Conversions

Conversions Part 2

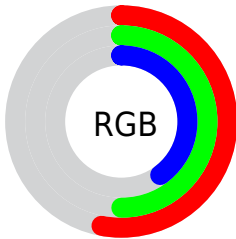
Format	Color
RYB	114, 136, 103
Decimal	8945767
CIELab	53.66, -1.27, 14.70
CIElCh	54, 14.751, 94.928
Yxy	21.6519, 0.3509, 0.3739
Android (android.graphics.Color)	4287135847 (0xFF888067)
YUV	127.5420, -12.0992, 7.4177
Hunter-Lab	46.5316, -3.4807, 12.2662

Details

The Yxy color **21.6519, 0.3509, 0.3739** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.0250, 0.2743, 0.2797**, and the grayscale version is **21.4591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3280, 0.3429, 0.3644**, and **7.8559, 0.3660, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **20.5564, 0.3683, 0.3929**, and if you desaturate by 10%, it is **22.8217, 0.3344, 0.3550**.

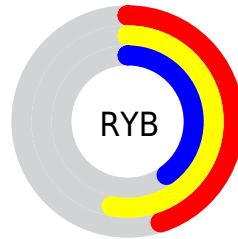
Distribution



Red (53%)

Green (50%)

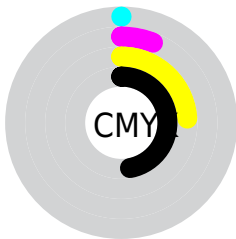
Blue (40%)



Red (45%)

Yellow (53%)

Blue (40%)

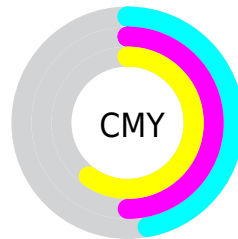


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (47%)



Cyan (47%)


Magenta (50%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6519, 0.3509, 0.3739 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 21.6519, 0.3509, 0.3739 by changing the saturation by 10% instead.


 21.6519, 0.3509,
0.3739


 21.6519, 0.3509,
0.3739


260.7230, 0.3295,
0.3486

 13.6013, 0.3572,
0.3814


 46.1700, 0.3425,
0.3639


 7.8439, 0.3658,
0.3918


 63.4063, 0.3395,
0.3604

 3.9952, 0.3784,
0.4071


 84.4733, 0.3371,
0.3575

 1.6709, 0.4024,
0.4362

 109.7555, 0.3351,
0.3551

 0.4047, 0.4664,
0.5336

139.6371, 0.3334,
0.3531

 0.0000, 0.0000,
0.0000

174.5027, 0.3319,

0.3514

214.7365, 0.3306,
0.3499

■ 21.6519, 0.3509,
0.3739

■ 21.6519, 0.3509,
0.3739

■ 20.5564, 0.3683,
0.3929

■ 22.8217, 0.3344,
0.3550

■ 19.5297, 0.3863,
0.4114

■ 24.0651, 0.3189,
0.3366

■ 18.5705, 0.4043,
0.4285

■ 25.3852, 0.3047,
0.3191

■ 17.6757, 0.4216,
0.4433

■ 26.7841, 0.2918,
0.3027

■ 16.8423, 0.4375,
0.4548

■ 28.2636, 0.2801,
0.2874

■ 16.0668, 0.4512,
0.4623

■ 29.8256, 0.2696,
0.2733

■ 15.3447, 0.4623,
0.4654

■ 31.4719, 0.2601,
0.2604

■ 14.9480, 0.4683,
0.4664

■ 33.2041, 0.2517,
0.2485

■ 35.0241, 0.2440,
0.2377

Harmonies

Analogous

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



21.6519, 0.3643, 0.3603



21.6519, 0.3509, 0.3739



21.6519, 0.3275, 0.3753

Triad

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



21.6519, 0.3509, 0.3739



21.6519, 0.2646, 0.3149



21.6519, 0.3232, 0.2984

Complementary

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



21.6519, 0.3509, 0.3739



16.0250, 0.2743, 0.2797

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.



21.6519, 0.2964, 0.2869



21.6519, 0.3509, 0.3739



21.6519, 0.2635, 0.2953

Square

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



21.6519, 0.3509, 0.3739



21.6519, 0.2780, 0.3400



21.6519, 0.2749, 0.2855



21.6519, 0.3481, 0.3173

Rectangle

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



21.6519, 0.3509, 0.3739



21.6519, 0.3096, 0.3684



21.6519, 0.2749, 0.2855



21.6519, 0.3141, 0.2936

Sweetspot

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



21.6529, 0.3509, 0.3739



41.7661, 0.3232, 0.3418



16.0850, 0.3490, 0.3139



9.6482, 0.3240, 0.3427



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.



21.6529, 0.3509, 0.3739



37.1089, 0.3601, 0.3841



23.1567, 0.3380, 0.3891



5.6432, 0.3263, 0.3455



14.1628, 0.4682, 0.4665



0.1168, 0.4416, 0.4876

Inverse Universe

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



16.0250, 0.2743, 0.2797



25.4581, 0.2649, 0.2670



14.8704, 0.2832, 0.2652



5.0763, 0.2991, 0.3120



2.7213, 0.1587, 0.0914



0.0380, 0.1790, 0.1645

Previews

White Background



This preview shows how the Yxy color 21.6519, 0.3509, 0.3739 looks on a white background.

Color Contrast Check

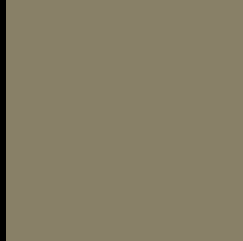
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6519, 0.3509, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

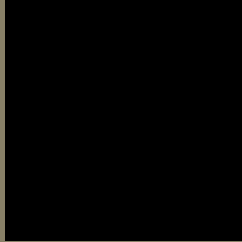
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6519, 0.3509, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 21.6519, 0.3509, 0.3739.



This preview shows how white text looks on a background with the Yxy color 21.6519, 0.3509, 0.3739.

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

21.6519, 0.3509, 0.3739

Protanopia

21.6519, 0.3509, 0.3739

Deuteranopia

21.5550, 0.3685, 0.3615



Tritanopia

21.7120, 0.3207, 0.3119

Trichromacy



Original Color

21.6519, 0.3509, 0.3739

Protanomaly

21.6519, 0.3509, 0.3739

Deuteranomaly

21.5960, 0.3612, 0.3656

Tritanomaly

21.5863, 0.3321, 0.3325

Monochromacy



Original Color

21.6519, 0.3509, 0.3739

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.5955, 0.3263, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6519, 0.3509, 0.3739 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(136, 128, 103)` looks like.

```
.text, #text, p{  
    color:rgb(136, 128, 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(136, 128, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 128, 103) }
```

Border

The CSS property to change the border of an element to Yxy 21.6519, 0.3509, 0.3739 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(136, 128, 103) }
```

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

```
.border{ border-color:rgb(136, 128, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 128, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 128, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 128, 103);  
box-shadow:4px 4px 4px 4px rgb(136, 128,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6519, 0.3509, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 128, 103) }
```

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

```
.background{ background-color: rgb(136,  
128, 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](#).

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