

# Converting Colors

$Y_{xy}(21.8972, 0.3784, 0.3436)$

Have a look what the booklet for  
Yxy(21.8972, 0.3784, 0.3436)  
contains.

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**Color**

**Yxy(21.8965, 0.3784, 0.3437)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1776E
RGB	161, 119, 110
RGB Percent	63%, 47%, 43%
CMY	0.3687, 0.5333, 0.5687
CMYK	0.00, 0.26, 0.32, 0.37
HSL	11°, 21%, 53%
HSV	11°, 32%, 63%
XYZ	24.1072, 21.8965, 17.7045
YIQ	130.5320, 27.9210, 6.1050

# Conversions

## Conversions Part 2

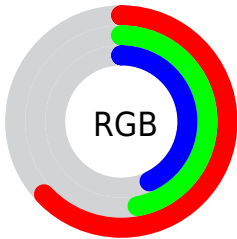
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 121, 110
Decimal	10581870
CIE <sub>Lab</sub>	53.92, 15.13, 11.38
CIE <sub>LCh</sub>	54, 18.937, 36.955
Yxy	21.8965, 0.3784, 0.3437
Android (android.graphics.Color)	4288771950 (0xFFA1776E)
YUV	130.5320, -10.1223, 26.7204
Hunter-Lab	46.7937, 10.0707, 10.3231

# Details

The Yxy color **21.8965, 0.3784, 0.3437** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **28.3338, 0.2666, 0.3137**, and the grayscale version is **22.5509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4862, 0.3635, 0.3400**, and **7.9163, 0.4062, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **18.6405, 0.4083, 0.3485**, and if you desaturate by 10%, it is **25.6582, 0.3533, 0.3388**.

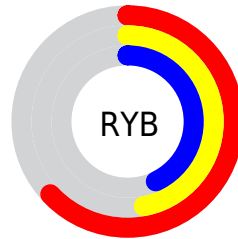
# Distribution



Red (63%)

Green (47%)

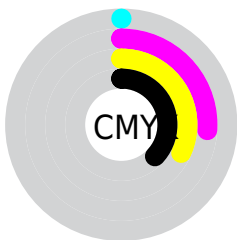
Blue (43%)



Red (63%)

Yellow (47%)

Blue (43%)

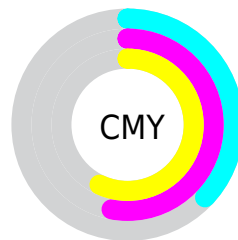


Cyan (0%)

Magenta (26%)

Yellow (32%)

Black (37%)



Cyan (37%)

Magenta (53%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8965, 0.3784, 0.3437 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 21.8965, 0.3784, 0.3437 by changing the saturation by 10% instead.





 21.8965, 0.3784,  
0.3437


 21.8965, 0.3784,  
0.3437


262.0053, 0.3411,  
0.3363


 13.7809, 0.3895,  
0.3455


 46.5749, 0.3636,  
0.3410


 7.9684, 0.4051,  
0.3476


 63.9064, 0.3584,  
0.3400

 4.0747, 0.4284,  
0.3500

 85.0787, 0.3542,  
0.3391

 1.7155, 0.4669,  
0.3521

 110.4761, 0.3507,  
0.3384

 0.4336, 0.6432,  
0.3568

140.4831, 0.3478,  
0.3378

 0.0000, 0.0000,  
0.0000

175.4840, 0.3452,

0.3372

215.8633, 0.3430,  
0.3367

■ 21.8965, 0.3784,  
0.3437

■ 21.8965, 0.3784,  
0.3437

■ 18.6405, 0.4083,  
0.3485

■ 25.6582, 0.3533,  
0.3388

■ 15.8654, 0.4432,  
0.3527

■ 29.9426, 0.3325,  
0.3341

■ 13.5492, 0.4824,  
0.3558


■ 34.7699, 0.3153,  
0.3297

■ 11.6669, 0.5240,  
0.3569


■ 40.1583, 0.3011,  
0.3256

■ 10.1908, 0.5643,  
0.3553

■ 46.1251, 0.2893,  
0.3219

 9.0902, 0.5982,  
0.3505

 52.6867, 0.2794,  
0.3185

 8.4291, 0.6202,  
0.3457

 59.8592, 0.2712,  
0.3155

 67.6578, 0.2642,  
0.3127

 76.0973, 0.2583,  
0.3102

# Harmonies

## Analogous

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



21.8965, 0.3598, 0.3157



21.8965, 0.3784, 0.3437



21.8965, 0.3781, 0.3698

# Triad

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



21.8965, 0.3784, 0.3437



21.8965, 0.2950, 0.3711



21.8965, 0.2661, 0.2737

# Complementary

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



21.8965, 0.3784, 0.3437



28.3338, 0.2666, 0.3137

# 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.



21.8965, 0.2510, 0.2845



21.8965, 0.3784, 0.3437



21.8965, 0.2669, 0.3406

# Square

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



21.8965, 0.3784, 0.3437



21.8965, 0.3289, 0.3884



21.8965, 0.2512, 0.3085



21.8965, 0.2939, 0.2766



# Rectangle

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



21.8965, 0.3784, 0.3437



21.8965, 0.3675, 0.3828



21.8965, 0.2512, 0.3085



21.8965, 0.2595, 0.2757

# Sweetspot

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



21.8975, 0.3784, 0.3437



54.8591, 0.3297, 0.3335



21.0087, 0.3264, 0.2640



11.7940, 0.3322, 0.3341



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8975, 0.3784, 0.3437



35.0263, 0.3989, 0.3471



28.6449, 0.3666, 0.3822



7.2792, 0.3281, 0.3330



6.7775, 0.6190, 0.3467



0.1957, 0.5623, 0.3917



# Inverse Universe

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



28.3338, 0.2666, 0.3137



48.3771, 0.2574, 0.3098



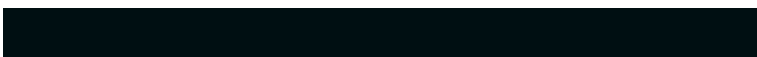
21.0633, 0.2615, 0.2693



7.7971, 0.2988, 0.3249



15.4023, 0.2091, 0.2726



0.3762, 0.2153, 0.2951



# Previews

## White Background



This preview shows how the Yxy color 21.8965, 0.3784, 0.3437 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

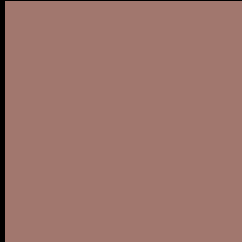
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 21.8965, 0.3784, 0.3437 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 21.8965, 0.3784, 0.3437**

## Background



This preview shows how black text looks on a background with the Yxy color 21.8965, 0.3784, 0.3437.



This preview shows how white text looks on a background with the Yxy color 21.8965, 0.3784, 0.3437.

# 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

21.8965, 0.3784, 0.3437

### Protanopia

22.0892, 0.3355, 0.3540

### Deuteranopia

21.9090, 0.3619, 0.3546



## Tritanopia

22.0155, 0.3609, 0.3149

# Trichromacy



## Original Color

21.8965, 0.3784, 0.3437

## Protanomaly

21.7888, 0.3503, 0.3498

## Deuteranomaly

21.7955, 0.3679, 0.3508

## Tritanomaly

21.9943, 0.3671, 0.3260

# Monochromacy



## Original Color

21.8965, 0.3784, 0.3437

## Achromatopsia

22.6966, 0.3127, 0.3290

## Achromatomaly

22.3596, 0.3353, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.8965, 0.3784, 0.3437 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(161, 119, 110)` looks like.

```
.text, #text, p{  
    color:rgb(161, 119, 110)  
}
```

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(161, 119, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 119, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 21.8965, 0.3784, 0.3437 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(161, 119, 110) }
```

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

```
.border{ border-color:rgb(161, 119, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 119, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 119, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 119, 110);  
box-shadow:4px 4px 4px 4px rgb(161, 119,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 21.8965, 0.3784, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 119, 110) }
```

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

```
.background{ background-color: rgb(161,  
119, 110) }
```

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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