

# Converting Colors

$Y_{xy}(21.7660, 0.4054, 0.3424)$

Have a look what the booklet for  
Yxy(21.7660, 0.4054, 0.3424)  
contains.

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**Color**

**Yxy(21.8084, 0.4065, 0.3428)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE7168
RGB	174, 113, 104
RGB Percent	68%, 44%, 41%
CMY	0.3176, 0.5569, 0.5921
CMYK	0.00, 0.35, 0.40, 0.32
HSL	8°, 30%, 55%
HSV	8°, 40%, 68%
XYZ	25.8609, 21.8084, 15.9491
YIQ	130.2130, 39.2450, 10.1330

# Conversions

## Conversions Part 2

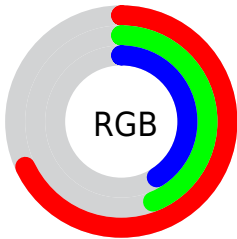
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	174, 114, 104
Decimal	11432296
CIE Lab	53.82, 23.03, 14.96
CIE LCh	54, 27.463, 32.998
Yxy	21.8084, 0.4065, 0.3428
Android (android.graphics.Color)	4289622376 (0xFFAE7168)
YUV	130.2130, -12.9230, 38.4012
Hunter-Lab	46.6995, 17.1244, 12.4405

# Details

The Yxy color **21.8084, 0.4065, 0.3428** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.9204, 0.2560, 0.3144**, and the grayscale version is **22.4398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2657, 0.3854, 0.3408**, and **7.8841, 0.4441, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **18.3851, 0.4424, 0.3459**, and if you desaturate by 10%, it is **25.8724, 0.3760, 0.3393**.

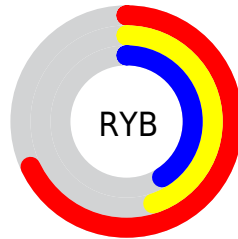
# Distribution



Red (68%)

Green (44%)

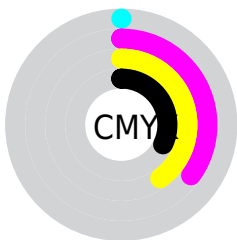
Blue (41%)



Red (68%)

Yellow (45%)

Blue (41%)

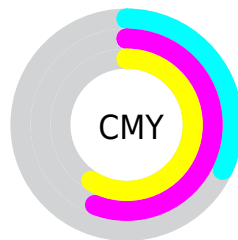


Cyan (0%)

Magenta (35%)

Yellow (40%)

Black (32%)



Cyan (32%)

Magenta (56%)

Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8084, 0.4065, 0.3428 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 21.8084, 0.4065, 0.3428 by changing the saturation by 10% instead.




 21.8084, 0.4065,  
0.3428


 21.8084, 0.4065,  
0.3428


261.5441, 0.3532,  
0.3367


 13.7162, 0.4223,  
0.3437


 46.4291, 0.3854,  
0.3409


 7.9235, 0.4444,  
0.3444


 63.7264, 0.3780,  
0.3401

 4.0461, 0.4769,  
0.3439

 84.8608, 0.3720,  
0.3394

 1.6994, 0.5330,  
0.3420

 110.2168, 0.3669,  
0.3387

 0.4232, 0.6964,  
0.3036

140.1787, 0.3627,  
0.3381

 0.0000, 0.0000,  
0.0000

175.1310, 0.3591,

0.3376

215.4580, 0.3559,  
0.3371

■ 21.8084, 0.4065,  
0.3428

■ 21.8084, 0.4065,  
0.3428

■ 18.3851, 0.4424,  
0.3459

■ 25.8724, 0.3760,  
0.3393

■ 15.5668, 0.4833,  
0.3482

■ 30.6043, 0.3508,  
0.3357

■ 13.3190, 0.5269,  
0.3490

■ 36.0335, 0.3300,  
0.3323

■ 11.6024, 0.5690,  
0.3476

■ 42.1866, 0.3130,  
0.3291

■ 10.3727, 0.6041,  
0.3438


■ 49.0889, 0.2991,  
0.3261

 9.5853, 0.6283,  
0.3393

 56.7646, 0.2877,  
0.3234

 65.2365, 0.2782,  
0.3210

 74.5268, 0.2703,  
0.3188

 84.2889, 0.2664,  
0.3229

# Harmonies

## Analogous

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



21.8084, 0.3759, 0.3044



21.8084, 0.4065, 0.3428



21.8084, 0.4091, 0.3811

# Triad

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



21.8084, 0.4065, 0.3428



21.8084, 0.2923, 0.3966



21.8084, 0.2423, 0.2513

# Complementary

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



21.8084, 0.4065, 0.3428



32.9204, 0.2560, 0.3144

# 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.



21.8084, 0.2242, 0.2678



21.8084, 0.4065, 0.3428



21.8084, 0.2511, 0.3519

# Square

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



21.8084, 0.4065, 0.3428



21.8084, 0.3411, 0.4181



21.8084, 0.2271, 0.3034



21.8084, 0.2790, 0.2538



# Rectangle

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



21.8084, 0.4065, 0.3428



21.8084, 0.3951, 0.4022



21.8084, 0.2271, 0.3034



21.8084, 0.2340, 0.2546

# Sweetspot

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



21.8095, 0.4065, 0.3428



63.2906, 0.3338, 0.3329



21.6517, 0.3269, 0.2417



13.7808, 0.3363, 0.3334



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



21.8095, 0.4065, 0.3428



34.1306, 0.4372, 0.3456



30.9218, 0.3860, 0.3924



8.1748, 0.3283, 0.3320



7.0028, 0.6270, 0.3404



0.2455, 0.5849, 0.3738



# Inverse Universe

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



32.9204, 0.2560, 0.3144



56.9719, 0.2461, 0.3107



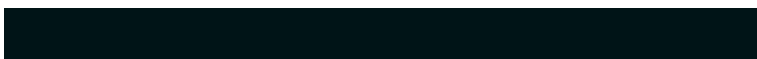
22.1927, 0.2470, 0.2556



8.8941, 0.2986, 0.3260



18.4894, 0.2135, 0.2886



0.5622, 0.2172, 0.3020



# Previews

## White Background



This preview shows how the Yxy color 21.8084, 0.4065, 0.3428 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

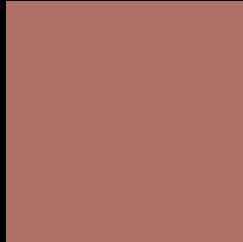
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 21.8084, 0.4065, 0.3428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

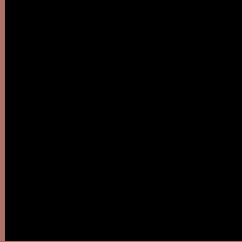
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 21.8084, 0.4065, 0.3428**

## Background



This preview shows how black text looks on a background with the Yxy color 21.8084, 0.4065, 0.3428.



This preview shows how white text looks on a background with the Yxy color 21.8084, 0.4065, 0.3428.

# 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

21.8084, 0.4065, 0.3428

### Protanopia

22.0213, 0.3389, 0.3594

### Deuteranopia

21.9539, 0.3731, 0.3662



## Tritanopia

21.8147, 0.3882, 0.3172

# Trichromacy



## Original Color

21.8084, 0.4065, 0.3428

## Protanomaly

21.6596, 0.3623, 0.3529

## Deuteranomaly

21.7831, 0.3843, 0.3568

## Tritanomaly

21.9172, 0.3946, 0.3262

# Monochromacy



## Original Color

21.8084, 0.4065, 0.3428

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

21.9068, 0.3434, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.8084, 0.4065, 0.3428 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(174, 113, 104)` looks like.

```
.text, #text, p{  
    color:rgb(174, 113, 104)  
}
```

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(174, 113, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 113, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 21.8084, 0.4065, 0.3428 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(174, 113, 104) }
```

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

```
.border{ border-color:rgb(174, 113, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 113, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 113, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 113, 104);  
box-shadow:4px 4px 4px 4px rgb(174, 113,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 21.8084, 0.4065, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 113, 104) }
```

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

```
.background{ background-color: rgb(174,  
113, 104) }
```

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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