

Converting Colors

$Y_{xy}(21.8907, 0.3760, 0.3170)$

Have a look what the booklet for
Yxy(21.8907, 0.3760, 0.3170)
contains.

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Color

Yxy(21.8748, 0.3750, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	A9727A
RGB	169, 114, 122
RGB Percent	66%, 45%, 48%
CMY	0.3374, 0.5528, 0.5216
CMYK	0.00, 0.33, 0.28, 0.34
HSL	351°, 24%, 55%
HSV	351°, 33%, 66%
XYZ	25.8853, 21.8748, 21.2674
YIQ	131.3570, 30.2120, 14.1480

Conversions

Conversions Part 2

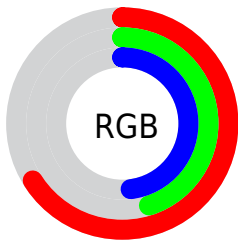
Format	Color
R _Y B	169, 114, 122
Decimal	11104890
CIE Lab	53.89, 22.83, 4.46
CIE LCh	54, 23.263, 11.066
Yxy	21.8748, 0.3750, 0.3169
Android (android.graphics.Color)	4289294970 (0xFFA9727A)
YUV	131.3570, -4.6130, 33.0129
Hunter-Lab	46.7705, 16.9431, 5.7792

Details

The Yxy color **21.8748, 0.3750, 0.3169** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.5127, 0.2728, 0.3417**, and the grayscale version is **22.8403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3360, 0.3611, 0.3198**, and **7.9065, 0.4007, 0.3117** is the 20% darker color. If you saturate the color by 10%, you get **18.0769, 0.4041, 0.3132**, and if you desaturate by 10%, it is **26.4321, 0.3511, 0.3208**.

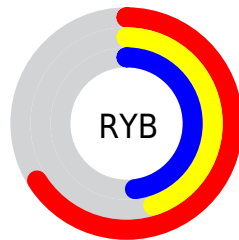
Distribution



Red (66%)

Green (45%)

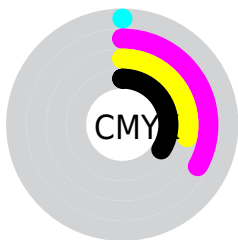
Blue (48%)



Red (66%)

Yellow (45%)

Blue (48%)

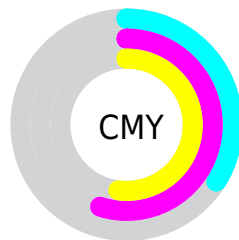


Cyan (0%)

Magenta (33%)

Yellow (28%)

Black (34%)



Cyan (34%)


Magenta (55%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8748, 0.3750, 0.3169 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 21.8748, 0.3750, 0.3169 by changing the saturation by 10% instead.


 21.8748, 0.3750,
0.3169


 21.8748, 0.3750,
0.3169

261.8918, 0.3398,
0.3242


 13.7649, 0.3855,
0.3145


 46.5390, 0.3610,
0.3199


 7.9574, 0.4002,
0.3111


 63.8621, 0.3562,
0.3209

 4.0677, 0.4223,
0.3056

 85.0251, 0.3522,
0.3217

 1.7115, 0.4587,
0.2958

 110.4123, 0.3488,
0.3224

 0.4311, 0.6233,
0.2760

140.4082, 0.3460,
0.3229

 0.0000, 0.0000,
0.0000

175.3971, 0.3436,

0.3234

215.7635, 0.3416,
0.3238

■ 21.8748, 0.3750,
0.3169

■ 21.8748, 0.3750,
0.3169

■ 18.0769, 0.4041,
0.3132

■ 26.4321, 0.3511,
0.3208

■ 14.9942, 0.4387,
0.3100

■ 31.7836, 0.3318,
0.3246

■ 12.5825, 0.4784,
0.3079


■ 37.9661, 0.3162,
0.3281

■ 10.7917, 0.5212,
0.3077


■ 45.0126, 0.3035,
0.3315

■ 9.5645, 0.5630,
0.3099

■ 52.9549, 0.2932,
0.3345


 8.8327, 0.5986,
0.3147

 61.8228, 0.2849,
0.3372

 8.4985, 0.6192,
0.3185

 71.6447, 0.2780,
0.3397

 82.4481, 0.2723,
0.3420

 86.9790, 0.2661,
0.3321

Harmonies

Analogous

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



21.8748, 0.3374, 0.2873



21.8748, 0.3750, 0.3169



21.8748, 0.3950, 0.3507

Triad

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



21.8748, 0.3750, 0.3169



21.8748, 0.3262, 0.4012



21.8748, 0.2392, 0.2716

Complementary

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



21.8748, 0.3750, 0.3169



34.5127, 0.2728, 0.3417

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.



21.8748, 0.2369, 0.2984



21.8748, 0.3750, 0.3169



21.8748, 0.2853, 0.3768

Square

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



21.8748, 0.3750, 0.3169



21.8748, 0.3652, 0.4018



21.8748, 0.2531, 0.3373



21.8748, 0.2597, 0.2614

Rectangle

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



21.8748, 0.3750, 0.3169



21.8748, 0.3950, 0.3723



21.8748, 0.2531, 0.3373



21.8748, 0.2364, 0.2788

Sweetspot

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



21.8758, 0.3750, 0.3169



59.4033, 0.3278, 0.3254



22.4514, 0.3069, 0.2477



12.6378, 0.3301, 0.3249



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



21.8758, 0.3750, 0.3169



34.1749, 0.3953, 0.3142



26.4902, 0.3765, 0.3586



7.5594, 0.3264, 0.3258



6.3424, 0.6173, 0.3174



0.1594, 0.5474, 0.2789

Inverse Universe

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



21.8758, 0.3750, 0.3169



34.1749, 0.3953, 0.3142



28.1695, 0.2634, 0.2972



7.5594, 0.3264, 0.3258



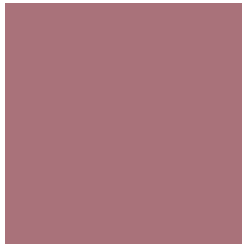
6.3424, 0.6173, 0.3174



0.1594, 0.5474, 0.2789

Previews

White Background



This preview shows how the Yxy color 21.8748, 0.3750, 0.3169 looks on a white background.

Color Contrast Check

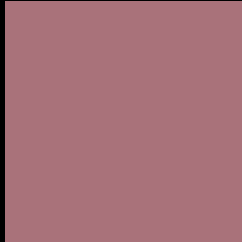
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8748, 0.3750, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

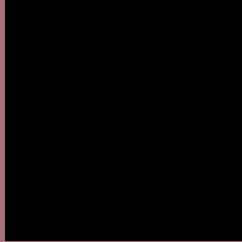
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8748, 0.3750, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 21.8748, 0.3750, 0.3169.



This preview shows how white text looks on a background with the Yxy color 21.8748, 0.3750, 0.3169.

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

21.8748, 0.3750, 0.3169

Protanopia

22.1375, 0.3140, 0.3272

Deuteranopia

22.0430, 0.3431, 0.3376



Tritanopia

21.8997, 0.3737, 0.3153

Trichromacy



Original Color

21.8748, 0.3750, 0.3169

Protanomaly

21.9674, 0.3350, 0.3240

Deuteranomaly

21.9252, 0.3545, 0.3291

Tritanomaly

21.8997, 0.3737, 0.3153

Monochromacy



Original Color

21.8748, 0.3750, 0.3169

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2455, 0.3336, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8748, 0.3750, 0.3169 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(169, 114, 122)` looks like.

```
.text, #text, p{  
    color:rgb(169, 114, 122)  
}
```

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(169, 114, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 114, 122) }
```

Border

The CSS property to change the border of an element to Yxy 21.8748, 0.3750, 0.3169 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(169, 114, 122) }
```

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

```
.border{ border-color:rgb(169, 114, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 114, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 114, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 114, 122); box-shadow:4px 4px 4px 4px rgb(169, 114, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8748, 0.3750, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 114, 122) }
```

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

```
.background{ background-color: rgb(169,  
114, 122) }
```

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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