

Converting Colors

$Y_{xy}(21.1972, 0.3842, 0.3205)$

Have a look what the booklet for
Yxy(21.1972, 0.3842, 0.3205)
contains.

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Color

Yxy(21.1993, 0.3845, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	AA6F75
RGB	170, 111, 117
RGB Percent	67%, 44%, 46%
CMY	0.3333, 0.5647, 0.5412
CMYK	0.00, 0.35, 0.31, 0.33
HSL	354°, 26%, 55%
HSV	354°, 35%, 67%
XYZ	25.4723, 21.1993, 19.5762
YIQ	129.3250, 33.2380, 14.3740

Conversions

Conversions Part 2

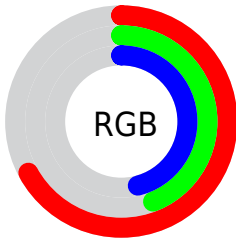
Format	Color
R _Y B	170, 111, 117
Decimal	11169653
CIE Lab	53.17, 24.23, 6.37
CIE LCh	53, 25.055, 14.735
Yxy	21.1993, 0.3845, 0.3200
Android (android.graphics.Color)	4289359733 (0xFFAA6F75)
YUV	129.3250, -6.0762, 35.6720
Hunter-Lab	46.0427, 18.1772, 7.0212

Details

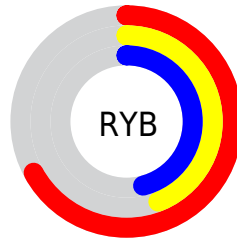
The Yxy color **21.1993, 0.3845, 0.3200** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.8098, 0.2687, 0.3385**, and the grayscale version is **22.0864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3899, 0.3686, 0.3222**, and **7.5879, 0.4140, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **17.5062, 0.4165, 0.3175**, and if you desaturate by 10%, it is **25.6591, 0.3582, 0.3227**.

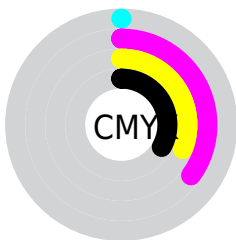
Distribution



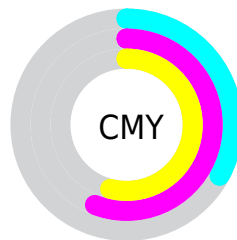
- Red (67%)
- Green (44%)
- Blue (46%)



- Red (67%)
- Yellow (44%)
- Blue (46%)



- Cyan (0%)
- Magenta (35%)
- Yellow (31%)
- Black (33%)





- Cyan (33%)
- Magenta (56%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1993, 0.3845, 0.3200 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 21.1993, 0.3845, 0.3200 by changing the saturation by 10% instead.


 21.1993, 0.3845,
0.3200


 21.1993, 0.3845,
0.3200


258.3358, 0.3436,
0.3258


 13.2698, 0.3968,
0.3179


 45.4190, 0.3682,
0.3225


 7.6146, 0.4140,
0.3148


 62.4779, 0.3626,
0.3233

 3.8493, 0.4400,
0.3096

 83.3488, 0.3580,
0.3239

 1.5896, 0.4832,
0.2996

 108.4160, 0.3541,
0.3245

 0.3506, 0.7257,
0.2743

138.0639, 0.3509,
0.3249

 0.0000, 0.0000,
0.0000

172.6769, 0.3481,

0.3252

212.6394, 0.3457,
0.3255

■ 21.1993, 0.3845,
0.3200

■ 21.1993, 0.3845,
0.3200

■ 17.5062, 0.4165,
0.3175

■ 25.6591, 0.3582,
0.3227

■ 14.5336, 0.4544,
0.3155

■ 30.9222, 0.3368,
0.3253

■ 12.2354, 0.4970,
0.3145


■ 37.0264, 0.3196,
0.3279


■ 10.5586, 0.5415,
0.3150


■ 44.0065, 0.3057,
0.3302


■ 9.4424, 0.5828,
0.3173


■ 51.8950, 0.2945,
0.3324


 8.8131, 0.6147,
0.3214

 60.7229, 0.2854,
0.3343

 8.5872, 0.6274,
0.3230

 70.5199, 0.2779,
0.3361

 81.3140, 0.2718,
0.3377

 87.2516, 0.2654,
0.3294

Harmonies

Analogous

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



21.1993, 0.3450, 0.2873



21.1993, 0.3845, 0.3200



21.1993, 0.4033, 0.3565

Triad

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



21.1993, 0.3845, 0.3200



21.1993, 0.3215, 0.4062



21.1993, 0.2349, 0.2643

Complementary

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



21.1993, 0.3845, 0.3200



34.8098, 0.2687, 0.3385

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.



21.1993, 0.2299, 0.2910



21.1993, 0.3845, 0.3200



21.1993, 0.2777, 0.3766

Square

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



21.1993, 0.3845, 0.3200



21.1993, 0.3648, 0.4096



21.1993, 0.2449, 0.3322



21.1993, 0.2591, 0.2558

Rectangle

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



21.1993, 0.3845, 0.3200



21.1993, 0.4009, 0.3795



21.1993, 0.2449, 0.3322



21.1993, 0.2311, 0.2712

Sweetspot

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



21.2003, 0.3845, 0.3200



60.9198, 0.3286, 0.3265



22.0713, 0.3086, 0.2427



13.2537, 0.3310, 0.3262



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.2003, 0.3845, 0.3200



32.9591, 0.4098, 0.3180



26.6391, 0.3811, 0.3636



7.5542, 0.3270, 0.3267



6.3211, 0.6257, 0.3221



0.1575, 0.5714, 0.2921

Inverse Universe

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



21.2003, 0.3845, 0.3200



32.9591, 0.4098, 0.3180



27.2695, 0.2597, 0.2914



7.5542, 0.3270, 0.3267



6.3211, 0.6257, 0.3221



0.1575, 0.5714, 0.2921

Previews

White Background



This preview shows how the Yxy color 21.1993, 0.3845, 0.3200 looks on a white background.

Color Contrast Check

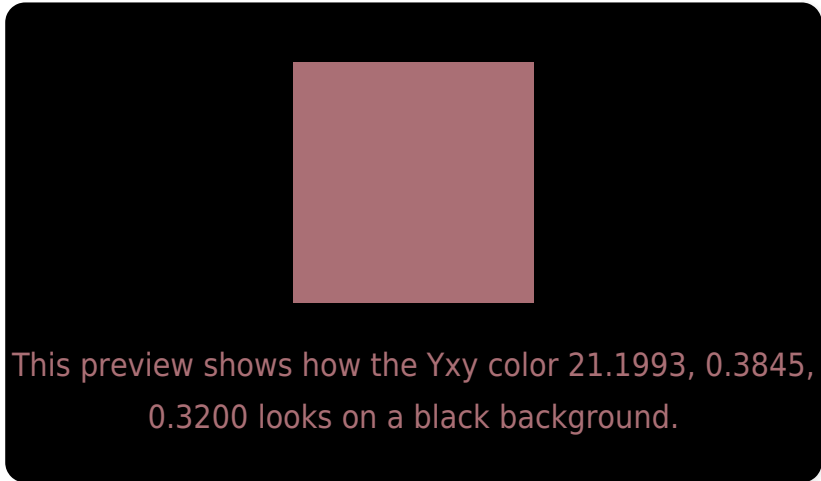
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

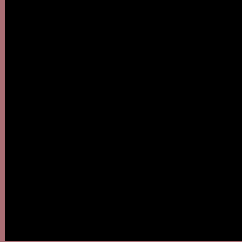
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1993, 0.3845, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 21.1993, 0.3845, 0.3200.



This preview shows how white text looks on a background with the Yxy color 21.1993, 0.3845, 0.3200.

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

21.1993, 0.3845, 0.3200

Protanopia

21.4309, 0.3174, 0.3308

Deuteranopia

21.3330, 0.3485, 0.3429



Tritanopia

21.2468, 0.3817, 0.3169

Trichromacy



Original Color

21.1993, 0.3845, 0.3200

Protanomaly

21.1245, 0.3405, 0.3257

Deuteranomaly

21.2269, 0.3603, 0.3341

Tritanomaly

21.2229, 0.3831, 0.3184

Monochromacy



Original Color

21.1993, 0.3845, 0.3200

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.3290, 0.3366, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1993, 0.3845, 0.3200 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(170, 111, 117)` looks like.

```
.text, #text, p{  
    color:rgb(170, 111, 117)  
}
```

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(170, 111, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 111, 117) }
```

Border

The CSS property to change the border of an element to Yxy 21.1993, 0.3845, 0.3200 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(170, 111, 117) }
```

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

```
.border{ border-color:rgb(170, 111, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 111, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 111, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 111, 117);  
box-shadow:4px 4px 4px 4px rgb(170, 111,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1993, 0.3845, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 111, 117) }
```

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

```
.background{ background-color: rgb(170,  
111, 117) }
```

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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