

Converting Colors

$Y_{xy}(21.3863, 0.3950, 0.3123)$

Have a look what the booklet for
Yxy(21.3863, 0.3950, 0.3123)
contains.

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Color

Yxy(21.3123, 0.3939, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	B26B77
RGB	178, 107, 119
RGB Percent	70%, 42%, 47%
CMY	0.3021, 0.5803, 0.5334
CMYK	0.00, 0.40, 0.33, 0.30
HSL	350°, 32%, 56%
HSV	350°, 40%, 70%
XYZ	26.9413, 21.3123, 20.1427
YIQ	129.5970, 38.4640, 18.7840

Conversions

Conversions Part 2

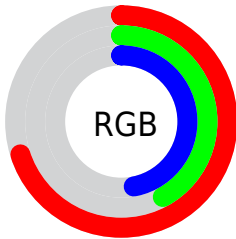
Format	Color
R _Y B	178, 107, 119
Decimal	11692919
CIE Lab	53.29, 29.78, 5.51
CIE LCh	53, 30.288, 10.473
Yxy	21.3123, 0.3939, 0.3116
Android (android.graphics.Color)	4289882999 (0xFFB26B77)
YUV	129.5970, -5.2243, 42.4494
Hunter-Lab	46.1652, 23.3806, 6.4464

Details

The Yxy color **21.3123, 0.3939, 0.3116** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **37.7082, 0.2663, 0.3478**, and the grayscale version is **22.1831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3987, 0.3755, 0.3156**, and **7.6920, 0.4262, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **17.6473, 0.4263, 0.3076**, and if you desaturate by 10%, it is **25.7984, 0.3669, 0.3161**.

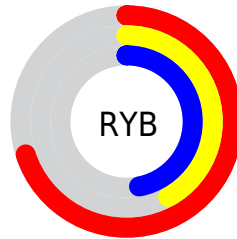
Distribution



Red (70%)

Green (42%)

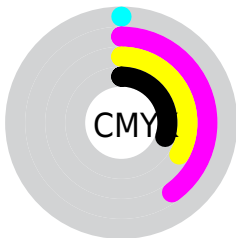
Blue (47%)



Red (70%)

Yellow (42%)

Blue (47%)

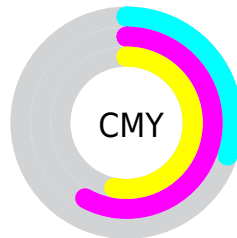


Cyan (0%)

Magenta (40%)

Yellow (33%)

Black (30%)



Cyan (30%)


Magenta (58%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3123, 0.3939, 0.3116 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 21.3123, 0.3939, 0.3116 by changing the saturation by 10% instead.


 21.3123, 0.3939,
0.3116


 21.3123, 0.3939,
0.3116


258.9336, 0.3478,
0.3221


 13.3525, 0.4077,
0.3081

 45.6067, 0.3756,
0.3160


 7.6717, 0.4270,
0.3031


 62.7101, 0.3692,
0.3174

 3.8856, 0.4559,
0.2950

 83.6301, 0.3640,
0.3186

 1.6098, 0.5034,
0.2805

 108.7511, 0.3597,
0.3196

 0.3642, 0.7445,
0.2476

138.4576, 0.3560,
0.3204

 0.0000, 1.0000,
0.0000


173.1339, 0.3529,


 0.0000, 0.0000,

0.3211


0.0000

213.1644, 0.3501,
0.3216

 21.3123, 0.3939,
0.3116


 21.3123, 0.3939,
0.3116


 17.6473, 0.4263,
0.3076


 25.7984, 0.3669,
0.3161


 14.7506, 0.4638,
0.3047


 31.1482, 0.3449,
0.3206


 12.5681, 0.5052,
0.3037


 37.4047, 0.3270,
0.3250


 11.0373, 0.5472,
0.3052


 44.6075, 0.3125,
0.3291


 10.0846, 0.5850,
0.3098

 52.7935, 0.3008,
0.3328


 9.5612, 0.6144,
0.3159

 61.9980, 0.2913,
0.3363

 9.5548, 0.6147,
0.3160

 72.2543, 0.2835,
0.3394

 83.5942, 0.2771,
0.3423

 88.0187, 0.2704,
0.3320

Harmonies

Analogous

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



21.3123, 0.3434, 0.2748



21.3123, 0.3939, 0.3116



21.3123, 0.4208, 0.3543

Triad

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



21.3123, 0.3939, 0.3116



21.3123, 0.3301, 0.4260



21.3123, 0.2182, 0.2546

Complementary

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



21.3123, 0.3939, 0.3116



37.7082, 0.2663, 0.3478

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.



21.3123, 0.2155, 0.2885



21.3123, 0.3939, 0.3116



21.3123, 0.2771, 0.3940

Square

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



21.3123, 0.3939, 0.3116



21.3123, 0.3810, 0.4238



21.3123, 0.2359, 0.3401



21.3123, 0.2433, 0.2423

Rectangle

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



21.3123, 0.3939, 0.3116



21.3123, 0.4206, 0.3823



21.3123, 0.2359, 0.3401



21.3123, 0.2147, 0.2635

Sweetspot

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



21.3133, 0.3939, 0.3116



65.0454, 0.3309, 0.3240



21.7288, 0.3022, 0.2280



14.0787, 0.3331, 0.3234



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



21.3133, 0.3939, 0.3116



32.6351, 0.4227, 0.3080



26.3530, 0.3975, 0.3622



8.5279, 0.3261, 0.3252



6.8460, 0.6124, 0.3147



0.2225, 0.5442, 0.2772

Inverse Universe

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



21.3133, 0.3939, 0.3116



32.6351, 0.4227, 0.3080



29.9505, 0.2530, 0.2926



8.5279, 0.3261, 0.3252



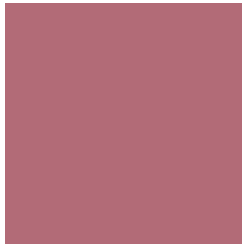
6.8460, 0.6124, 0.3147



0.2225, 0.5442, 0.2772

Previews

White Background



This preview shows how the Yxy color 21.3123, 0.3939, 0.3116 looks on a white background.

Color Contrast Check

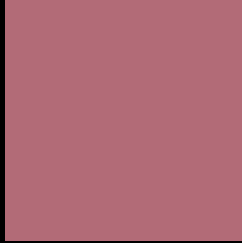
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3123, 0.3939, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

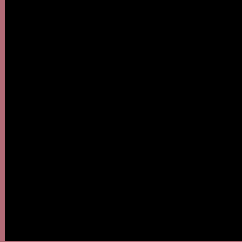
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3123, 0.3939, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 21.3123, 0.3939, 0.3116.



This preview shows how white text looks on a background with the Yxy color 21.3123, 0.3939, 0.3116.

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

21.3123, 0.3939, 0.3116

Protanopia

21.4576, 0.3118, 0.3236

Deuteranopia

21.3562, 0.3473, 0.3412



Tritanopia

21.4511, 0.3977, 0.3174

Trichromacy



Original Color

21.3123, 0.3939, 0.3116

Protanomaly

21.1423, 0.3396, 0.3189

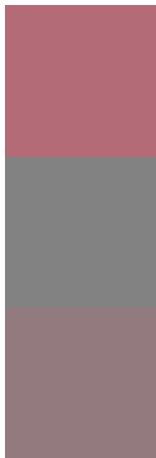
Deuteranomaly

21.0749, 0.3636, 0.3292

Tritanomaly

21.4745, 0.3963, 0.3160

Monochromacy



Original Color

21.3123, 0.3939, 0.3116

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.6285, 0.3392, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3123, 0.3939, 0.3116 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(178, 107, 119)` looks like.

```
.text, #text, p{  
    color:rgb(178, 107, 119)  
}
```

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(178, 107, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 107, 119) }
```

Border

The CSS property to change the border of an element to Yxy 21.3123, 0.3939, 0.3116 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(178, 107, 119) }
```

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

```
.border{ border-color:rgb(178, 107, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 107, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 107, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 107, 119);  
box-shadow:4px 4px 4px 4px rgb(178, 107,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3123, 0.3939, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 107, 119) }
```

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

```
.background{ background-color: rgb(178,  
107, 119) }
```

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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