

Converting Colors

$Y_{xy}(21.1743, 0.3860, 0.2745)$

Have a look what the booklet for
Yxy(21.1743, 0.3860, 0.2745)
contains.

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Color

Yxy(21.1743, 0.3860, 0.2745)

Conversions

Conversions Part 1

Format	Color
Hex	BD6189
RGB	189, 97, 137
RGB Percent	74%, 38%, 54%
CMY	0.2589, 0.6196, 0.4627
CMYK	0.00, 0.49, 0.28, 0.26
HSL	334°, 41%, 56%
HSV	334°, 49%, 74%
XYZ	29.7752, 21.1743, 26.1883
YIQ	129.0680, 41.9920, 31.9440

Conversions

Conversions Part 2

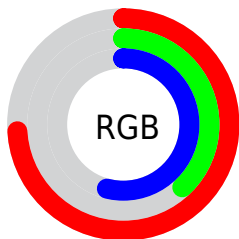
Format	Color
R_{YB}	189, 97, 137
Decimal	12411273
CIE _{Lab}	53.14, 41.56, -5.17
CIE _{LCh}	53, 41.884, 352.907
Yxy	21.1743, 0.3860, 0.2745
Android (android.graphics.Color)	4290601353 (0xFFBD6189)
YUV	129.0680, 3.9105, 52.5604
Hunter-Lab	46.0155, 34.9743, -1.5321

Details

The Yxy color **21.1743, 0.3860, 0.2745** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **41.1029, 0.2732, 0.3933**, and the grayscale version is **21.9542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3046, 0.3701, 0.2863**, and **7.6287, 0.4146, 0.2557** is the 20% darker color. If you saturate the color by 10%, you get **17.7971, 0.4097, 0.2651**, and if you desaturate by 10%, it is **25.4158, 0.3655, 0.2855**.

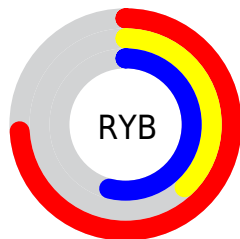
Distribution



Red (74%)

Green (38%)

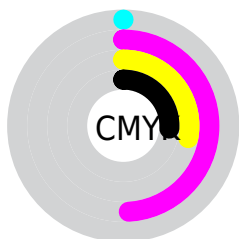
Blue (54%)



Red (74%)

Yellow (38%)

Blue (54%)

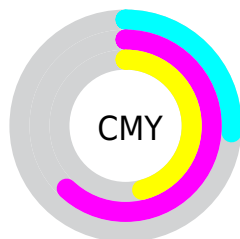


Cyan (0%)

Magenta (49%)

Yellow (28%)

Black (26%)



Cyan (26%)


Magenta (62%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1743, 0.3860, 0.2745 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 21.1743, 0.3860, 0.2745 by changing the saturation by 10% instead.


 21.1743, 0.3860,
0.2745


 21.1743, 0.3860,
0.2745


258.2034, 0.3451,
0.3044


 13.2515, 0.3979,
0.2661

 45.3774, 0.3700,
0.2860


 7.6019, 0.4142,
0.2546


 62.4265, 0.3643,
0.2902

 3.8413, 0.4382,
0.2381

 83.2865, 0.3597,
0.2936

 1.5852, 0.4766,
0.2127

 108.3418, 0.3558,
0.2964

 0.3476, 0.5717,
0.1369

137.9767, 0.3525,
0.2988

 0.0000, 1.0000,
0.0000

172.5756, 0.3497,

 0.0000, 0.0000,

0.3009

0.0000

212.5231, 0.3473,
0.3028

■ 21.1743, 0.3860,
0.2745

■ 21.1743, 0.3860,
0.2745

■ 17.7971, 0.4097,
0.2651

■ 25.4158, 0.3655,
0.2855

■ 15.2202, 0.4361,
0.2584

■ 30.5736, 0.3481,
0.2970

■ 13.3757, 0.4644,
0.2556

■ 36.6989, 0.3335,
0.3086


■ 12.1827, 0.4929,
0.2578


■ 43.8384, 0.3214,
0.3198

■ 11.5062, 0.5202,
0.2649

■ 52.0359, 0.3115,
0.3304

 11.4297, 0.5238,
0.2659

 61.3323, 0.3033,
0.3402

 71.7665, 0.2966,
0.3493

 83.3755, 0.2910,
0.3576

 88.2285, 0.2857,
0.3527

Harmonies

Analogous

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



21.1743, 0.3079, 0.2356



21.1743, 0.3860, 0.2745



21.1743, 0.4461, 0.3257

Triad

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



21.1743, 0.3860, 0.2745



21.1743, 0.3752, 0.4673



21.1743, 0.1816, 0.2492

Complementary

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



21.1743, 0.3860, 0.2745



41.1029, 0.2732, 0.3933

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.



21.1743, 0.1943, 0.3099



21.1743, 0.3860, 0.2745



21.1743, 0.3027, 0.4549

Square

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



21.1743, 0.3860, 0.2745



21.1743, 0.4348, 0.4345



21.1743, 0.2367, 0.3908



21.1743, 0.1972, 0.2187

Rectangle

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



21.1743, 0.3860, 0.2745



21.1743, 0.4629, 0.3630



21.1743, 0.2367, 0.3908



21.1743, 0.1826, 0.2661

Sweetspot

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



21.1753, 0.3860, 0.2745



69.9118, 0.3291, 0.3125



18.4836, 0.2711, 0.1957



14.4766, 0.3318, 0.3101



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



21.1753, 0.3860, 0.2745



31.7411, 0.4103, 0.2649



21.1070, 0.4430, 0.3357



9.6034, 0.3222, 0.3191



7.7059, 0.5206, 0.2642



0.3150, 0.4610, 0.2313

Inverse Universe

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



21.1753, 0.3860, 0.2745



31.7411, 0.4103, 0.2649



40.6598, 0.2481, 0.3218



9.6034, 0.3222, 0.3191



7.7059, 0.5206, 0.2642



0.3150, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 21.1743, 0.3860, 0.2745 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 21.1743, 0.3860, 0.2745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

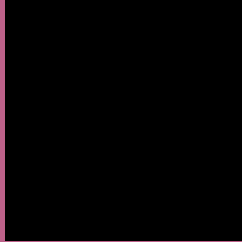
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1743, 0.3860, 0.2745

Background



This preview shows how black text looks on a background with the Yxy color 21.1743, 0.3860, 0.2745.



This preview shows how white text looks on a background with the Yxy color 21.1743, 0.3860, 0.2745.

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

21.1743, 0.3860, 0.2745

Protanopia

21.3870, 0.2766, 0.2771

Deuteranopia

21.4271, 0.3183, 0.3134



Tritanopia

21.0676, 0.4199, 0.3181

Trichromacy



Original Color

21.1743, 0.3860, 0.2745

Protanomaly

20.5424, 0.3116, 0.2735

Deuteranomaly

20.8238, 0.3425, 0.2968

Tritanomaly

21.0352, 0.4074, 0.3013

Monochromacy



Original Color

21.1743, 0.3860, 0.2745

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

20.9678, 0.3380, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1743, 0.3860, 0.2745 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(189, 97, 137)` looks like.

```
.text, #text, p{  
    color:rgb(189, 97, 137)  
}
```

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(189, 97, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 97, 137) }
```

Border

The CSS property to change the border of an element to Yxy 21.1743, 0.3860, 0.2745 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(189, 97, 137) }
```

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

```
.border{ border-color:rgb(189, 97, 137) }
```

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

Here you see how a box with a 4 pixel rgb(189, 97, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 97, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 97, 137);  
box-shadow:4px 4px 4px 4px rgb(189, 97,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1743, 0.3860, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 97, 137) }
```

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

```
.background{ background-color: rgb(189, 97,  
137) }
```

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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