

Converting Colors

$Y_{xy}(21.1277, 0.3780, 0.2655)$

Have a look what the booklet for
Yxy(21.1277, 0.3780, 0.2655)
contains.

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Color

Yxy(21.1677, 0.3776, 0.2653)

Conversions

Conversions Part 1

Format	Color
Hex	BD608F
RGB	189, 96, 143
RGB Percent	74%, 38%, 56%
CMY	0.2588, 0.6235, 0.4391
CMYK	0.00, 0.49, 0.24, 0.26
HSL	330°, 41%, 56%
HSV	330°, 49%, 74%
XYZ	30.1279, 21.1677, 28.4922
YIQ	129.1650, 40.3410, 34.3330

Conversions

Conversions Part 2

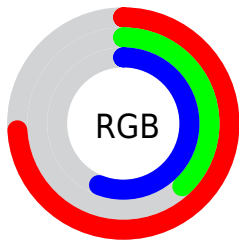
Format	Color
R_{YB}	189, 96, 143
Decimal	12411023
CIE _{Lab}	53.13, 42.93, -8.73
CIE _{LCh}	53, 43.809, 348.506
Yxy	21.1677, 0.3776, 0.2653
Android (android.graphics.Color)	4290601103 (0xFFBD608F)
YUV	129.1650, 6.8207, 52.4753
Hunter-Lab	46.0084, 36.3733, -4.5115

Details

The Yxy color **21.1677, 0.3776, 0.2653** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **40.8339, 0.2770, 0.4054**, and the grayscale version is **21.9798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3003, 0.3632, 0.2780**, and **7.5782, 0.4011, 0.2422** is the 20% darker color. If you saturate the color by 10%, you get **17.8531, 0.3979, 0.2544**, and if you desaturate by 10%, it is **25.3370, 0.3598, 0.2779**.

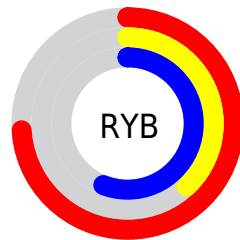
Distribution



Red (74%)

Green (38%)

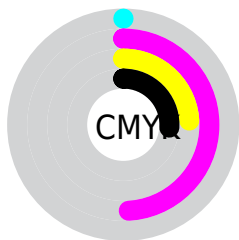
Blue (56%)



Red (74%)

Yellow (38%)

Blue (56%)

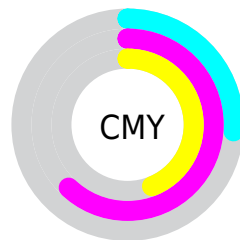


Cyan (0%)

Magenta (49%)

Yellow (24%)

Black (26%)



Cyan (26%)


Magenta (62%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1677, 0.3776, 0.2653 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 21.1677, 0.3776, 0.2653 by changing the saturation by 10% instead.


 21.1677, 0.3776,
0.2653


 21.1677, 0.3776,
0.2653


258.1684, 0.3418,
0.2997


 13.2466, 0.3878,
0.2558


 45.3665, 0.3637,
0.2785

 7.5986, 0.4018,
0.2430


 62.4130, 0.3587,
0.2832

 3.8392, 0.4222,
0.2250

 83.2701, 0.3547,
0.2871

 1.5840, 0.4541,
0.1977

 108.3222, 0.3512,
0.2904

 0.3468, 0.5290,
0.1224

137.9536, 0.3483,
0.2933

 0.0000, 1.0000,
0.0000

172.5489, 0.3459,

 0.0000, 0.0000,

0.2957

0.0000

212.4924, 0.3437,
0.2978

■ 21.1677, 0.3776,
0.2653

■ 21.1677, 0.3776,
0.2653

■ 17.8531, 0.3979,
0.2544

■ 25.3370, 0.3598,
0.2779

■ 15.3289, 0.4203,
0.2462

■ 30.4127, 0.3446,
0.2913

■ 13.5272, 0.4442,
0.2422


■ 36.4462, 0.3317,
0.3047

■ 12.3665, 0.4684,
0.2431

■ 43.4841, 0.3210,
0.3176


■ 11.7013, 0.4920,
0.2489


■ 51.5700, 0.3121,
0.3300

 11.6550, 0.4939,
0.2494

 60.7448, 0.3047,
0.3415

 71.0471, 0.2986,
0.3521

 82.5139, 0.2935,
0.3619

 87.8913, 0.2888,
0.3594

Harmonies

Analogous

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



21.1677, 0.2959, 0.2276



21.1677, 0.3776, 0.2653



21.1677, 0.4454, 0.3168

Triad

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



21.1677, 0.3776, 0.2653



21.1677, 0.3876, 0.4707



21.1677, 0.1766, 0.2527

Complementary

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



21.1677, 0.3776, 0.2653



40.8339, 0.2770, 0.4054

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.



21.1677, 0.1940, 0.3203



21.1677, 0.3776, 0.2653



21.1677, 0.3128, 0.4670

Square

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



21.1677, 0.3776, 0.2653



21.1677, 0.4464, 0.4307



21.1677, 0.2420, 0.4061



21.1677, 0.1886, 0.2170

Rectangle

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



21.1677, 0.3776, 0.2653



21.1677, 0.4678, 0.3550



21.1677, 0.2420, 0.4061



21.1677, 0.1790, 0.2718

Sweetspot

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



21.1687, 0.3776, 0.2653



70.0538, 0.3272, 0.3099



17.6988, 0.2637, 0.1917



14.5108, 0.3296, 0.3071



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.



21.1687, 0.3776, 0.2653



31.5939, 0.3995, 0.2536



20.0584, 0.4463, 0.3273



9.6147, 0.3211, 0.3175



7.8574, 0.4911, 0.2479



0.3210, 0.4398, 0.2196

Inverse Universe

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



21.1687, 0.3776, 0.2653



31.5939, 0.3995, 0.2536



42.4886, 0.2497, 0.3312



9.6147, 0.3211, 0.3175



7.8574, 0.4911, 0.2479



0.3210, 0.4398, 0.2196

Previews

White Background



This preview shows how the Yxy color 21.1677, 0.3776, 0.2653 looks on a white background.

Color Contrast Check

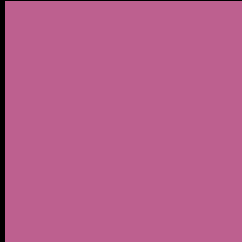
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1677, 0.3776, 0.2653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

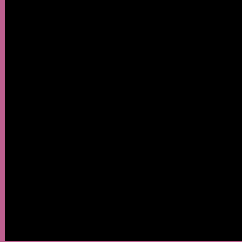
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1677, 0.3776, 0.2653

Background



This preview shows how black text looks on a background with the Yxy color 21.1677, 0.3776, 0.2653.



This preview shows how white text looks on a background with the Yxy color 21.1677, 0.3776, 0.2653.

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

21.1677, 0.3776, 0.2653

Protanopia

21.4176, 0.2673, 0.2657

Deuteranopia

21.4012, 0.3103, 0.3048



Tritanopia

21.2654, 0.4194, 0.3195

Trichromacy



Original Color

21.1677, 0.3776, 0.2653

Protanomaly

20.5911, 0.3014, 0.2626

Deuteranomaly

20.8966, 0.3337, 0.2873

Tritanomaly

21.0843, 0.4044, 0.2985

Monochromacy



Original Color

21.1677, 0.3776, 0.2653

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.0231, 0.3355, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1677, 0.3776, 0.2653 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, 96, 143)` looks like.

```
.text, #text, p{  
    color:rgb(189, 96, 143)  
}
```

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, 96, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 96, 143) }
```

Border

The CSS property to change the border of an element to Yxy 21.1677, 0.3776, 0.2653 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, 96, 143) }
```

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

```
.border{ border-color:rgb(189, 96, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 96, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 96, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 96, 143);  
box-shadow:4px 4px 4px 4px rgb(189, 96,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1677, 0.3776, 0.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 96, 143) }
```

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

```
.background{ background-color: rgb(189, 96,  
143) }
```

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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