

Converting Colors

$Y_{xy}(18.9680, 0.3571, 0.2206)$

Have a look what the booklet for
Yxy(18.9680, 0.3571, 0.2206)
contains.

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Color

Yxy(18.9928, 0.3570, 0.2211)

Conversions

Conversions Part 1

Format	Color
Hex	BF4DA2
RGB	191, 77, 162
RGB Percent	75%, 30%, 64%
CMY	0.2509, 0.6981, 0.3646
CMYK	0.00, 0.60, 0.15, 0.25
HSL	315°, 47%, 53%
HSV	315°, 60%, 75%
XYZ	30.6668, 18.9928, 36.2418
YIQ	120.7760, 40.6590, 50.6030

Conversions

Conversions Part 2

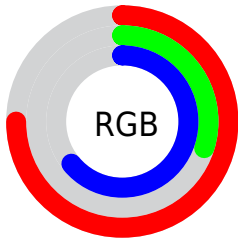
Format	Color
R_{YB}	191, 77, 162
Decimal	12537250
CIE _{Lab}	50.68, 55.53, -23.64
CIE _{LCh}	51, 60.351, 336.937
Yxy	18.9928, 0.3570, 0.2211
Android (android.graphics.Color)	4290727330 (0xFFBF4DA2)
YUV	120.7760, 20.3234, 61.5864
Hunter-Lab	43.5807, 49.3402, -18.7991

Details

The Yxy color **18.9928, 0.3570, 0.2211** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **39.8884, 0.2884, 0.4735**, and the grayscale version is **18.9668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8363, 0.3488, 0.2424**, and **6.4820, 0.3696, 0.1873** is the 20% darker color. If you saturate the color by 10%, you get **16.5330, 0.3671, 0.2086**, and if you desaturate by 10%, it is **22.2457, 0.3474, 0.2367**.

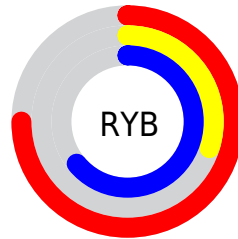
Distribution



Red (75%)

Green (30%)

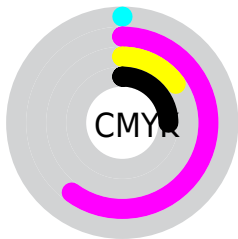
Blue (64%)



Red (75%)

Yellow (30%)

Blue (64%)

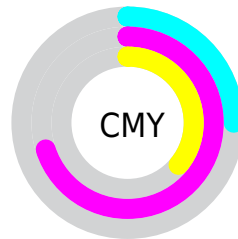


Cyan (0%)

Magenta (60%)

Yellow (15%)

Black (25%)



Cyan (25%)

Magenta (70%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9928, 0.3570, 0.2211 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 18.9928, 0.3570, 0.2211 by changing the saturation by 10% instead.


 18.9928, 0.3570,
0.2211


 18.9928, 0.3570,
0.2211


246.4090, 0.3342,
0.2774

 11.6651, 0.3628,
0.2065


 41.7219, 0.3486,
0.2420


 6.5161, 0.3703,
0.1875


 57.8921, 0.3455,
0.2497


 3.1613, 0.3801,
0.1621


 77.7786, 0.3428,
0.2562

 1.2165, 0.3934,
0.1269

 101.7658, 0.3406,
0.2617

 0.0751, 0.4362,
0.0208

 130.2380, 0.3386,
0.2665

 0.0000, 0.4145,
0.0000

163.5797, 0.3370,

 0.0000, 0.0000,

0.2706

0.0000

202.1752, 0.3355,
0.2742

■ 18.9928, 0.3570,
0.2211

■ 18.9928, 0.3570,
0.2211

■ 16.5330, 0.3671,
0.2086

■ 22.2457, 0.3474,
0.2367

■ 14.7927, 0.3775,
0.2001

■ 26.3515, 0.3386,
0.2545

■ 13.6888, 0.3877,
0.1963

■ 31.3672, 0.3307,
0.2733

■ 13.0624, 0.3977,
0.1966

■ 37.3443, 0.3238,
0.2925

■ 13.0456, 0.3980,
0.1966

■ 44.3303, 0.3177,
0.3114

■ 52.3695, 0.3126,
0.3295

■ 61.5037, 0.3082,
0.3467

■ 71.7724, 0.3045,
0.3627

■ 83.2129, 0.3014,
0.3775

Harmonies

Analogous

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



18.9928, 0.2481, 0.1827



18.9928, 0.3570, 0.2211



18.9928, 0.4696, 0.2800

Triad

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



18.9928, 0.3570, 0.2211



18.9928, 0.4401, 0.5001



18.9928, 0.1360, 0.2484

Complementary

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



18.9928, 0.3570, 0.2211



39.8884, 0.2884, 0.4735

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.



18.9928, 0.1695, 0.3596



18.9928, 0.3570, 0.2211



18.9928, 0.3433, 0.5414

Square

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



18.9928, 0.3570, 0.2211



18.9928, 0.5115, 0.4246



18.9928, 0.2441, 0.4890



18.9928, 0.1390, 0.1892

Rectangle

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



18.9928, 0.3570, 0.2211



18.9928, 0.5176, 0.3255



18.9928, 0.2441, 0.4890



18.9928, 0.1427, 0.2797

Sweetspot

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



18.9937, 0.3570, 0.2211



68.5258, 0.3229, 0.2952



12.1008, 0.2222, 0.1499



14.2981, 0.3248, 0.2896



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



18.9937, 0.3570, 0.2211



28.3931, 0.3707, 0.2052



17.4144, 0.4484, 0.2923



9.6537, 0.3175, 0.3120



8.5848, 0.3967, 0.1959



0.3463, 0.3749, 0.1839

Inverse Universe

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



18.9937, 0.3570, 0.2211



28.3931, 0.3707, 0.2052



41.4750, 0.2554, 0.3747



9.6537, 0.3175, 0.3120



8.5848, 0.3967, 0.1959



0.3463, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 18.9928, 0.3570, 0.2211 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 18.9928, 0.3570, 0.2211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

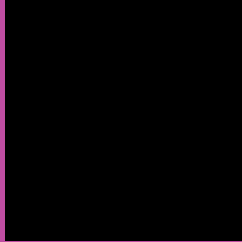
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9928, 0.3570, 0.2211

Background



This preview shows how black text looks on a background with the Yxy color 18.9928, 0.3570, 0.2211.



This preview shows how white text looks on a background with the Yxy color 18.9928, 0.3570, 0.2211.

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

18.9928, 0.3570, 0.2211

Protanopia

19.4091, 0.2206, 0.2053

Deuteranopia

19.2050, 0.2702, 0.2650



Tritanopia

19.0438, 0.4412, 0.3210

Trichromacy



Original Color

18.9928, 0.3570, 0.2211

Protanomaly

17.9087, 0.2563, 0.2049

Deuteranomaly

18.2089, 0.2980, 0.2417

Tritanomaly

18.7863, 0.4104, 0.2813

Monochromacy



Original Color

18.9928, 0.3570, 0.2211

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

17.9917, 0.3285, 0.2769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9928, 0.3570, 0.2211 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(191, 77, 162)` looks like.

```
.text, #text, p{  
    color:rgb(191, 77, 162)  
}
```

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(191, 77, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 77, 162) }
```

Border

The CSS property to change the border of an element to Yxy 18.9928, 0.3570, 0.2211 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(191, 77, 162) }
```

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

```
.border{ border-color:rgb(191, 77, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 77, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 77, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 77, 162);  
box-shadow:4px 4px 4px 4px rgb(191, 77,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9928, 0.3570, 0.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 77, 162) }
```

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

```
.background{ background-color: rgb(191, 77,  
162) }
```

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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