

Converting Colors

$Y_{xy}(21.8701, 0.4067, 0.2869)$

Have a look what the booklet for
Yxy(21.8701, 0.4067, 0.2869)
contains.

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Color

Yxy(21.8701, 0.4067, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	C46181
RGB	196, 97, 129
RGB Percent	77%, 38%, 51%
CMY	0.2314, 0.6196, 0.4941
CMYK	0.00, 0.51, 0.34, 0.23
HSL	341°, 46%, 57%
HSV	341°, 51%, 77%
XYZ	31.0023, 21.8701, 23.3566
YIQ	130.2490, 48.7320, 30.9400

Conversions

Conversions Part 2

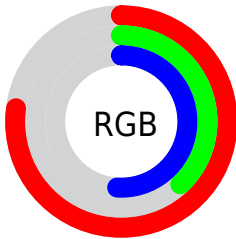
Format	Color
R_{YB}	196, 97, 129
Decimal	12870017
CIE _{Lab}	53.89, 42.94, 0.77
CIE _{LCh}	54, 42.944, 1.033
Yxy	21.8701, 0.4067, 0.2869
Android (android.graphics.Color)	4291060097 (0xFFC46181)
YUV	130.2490, -0.6158, 57.6636
Hunter-Lab	46.7655, 36.4938, 3.1240

Details

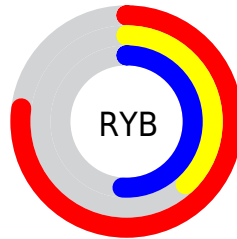
The Yxy color **21.8701, 0.4067, 0.2869** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **44.7025, 0.2655, 0.3783**, and the grayscale version is **22.4060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4501, 0.3858, 0.2957**, and **7.9449, 0.4431, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **18.3553, 0.4369, 0.2806**, and if you desaturate by 10%, it is **26.3276, 0.3806, 0.2948**.

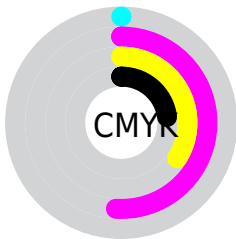
Distribution



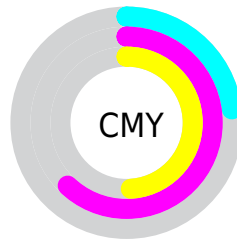
- Red (77%)
- Green (38%)
- Blue (51%)



- Red (77%)
- Yellow (38%)
- Blue (51%)



- Cyan (0%)
- Magenta (51%)
- Yellow (34%)
- Black (23%)





- Cyan (23%)
- Magenta (62%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8701, 0.4067, 0.2869 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 21.8701, 0.4067, 0.2869 by changing the saturation by 10% instead.


 21.8701, 0.4067,
0.2869


 21.8701, 0.4067,
0.2869


261.8672, 0.3540,
0.3106


 13.7615, 0.4221,
0.2799


 46.5312, 0.3860,
0.2963


 7.9550, 0.4434,
0.2702


 63.8525, 0.3787,
0.2996

 4.0661, 0.4748,
0.2559

 85.0134, 0.3727,
0.3022

 1.7106, 0.5247,
0.2329

 110.3985, 0.3677,
0.3045

 0.4305, 0.6571,
0.1747

140.3920, 0.3635,
0.3064

 0.0000, 1.0000,
0.0000

175.3783, 0.3598,

 0.0000, 0.0000,

0.3080

0.0000

215.7419, 0.3567,
0.3094

■ 21.8701, 0.4067,
0.2869

■ 21.8701, 0.4067,
0.2869

■ 18.3553, 0.4369,
0.2806

■ 26.3276, 0.3806,
0.2948

■ 15.7110, 0.4706,
0.2770

■ 31.7865, 0.3586,
0.3035

■ 13.8600, 0.5058,
0.2773

■ 38.3044, 0.3404,
0.3122

■ 12.7094, 0.5398,
0.2824

■ 45.9338, 0.3255,
0.3206

■ 12.0987, 0.5689,
0.2907

■ 54.7235, 0.3133,
0.3286

■ 64.7194, 0.3033,
0.3360

■ 75.9649, 0.2952,
0.3428

■ 88.5015, 0.2885,
0.3490

■ 90.0573, 0.2817,
0.3359

Harmonies

Analogous

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



21.8701, 0.3292, 0.2434



21.8701, 0.4067, 0.2869



21.8701, 0.4576, 0.3407

Triad

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



21.8701, 0.4067, 0.2869



21.8701, 0.3564, 0.4715



21.8701, 0.1815, 0.2367

Complementary

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



21.8701, 0.4067, 0.2869



44.7025, 0.2655, 0.3783

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.



21.8701, 0.1864, 0.2899



21.8701, 0.4067, 0.2869



21.8701, 0.2828, 0.4436

Square

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



21.8701, 0.4067, 0.2869



21.8701, 0.4223, 0.4477



21.8701, 0.2212, 0.3691



21.8701, 0.2049, 0.2139

Rectangle

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



21.8701, 0.4067, 0.2869



21.8701, 0.4656, 0.3786



21.8701, 0.2212, 0.3691



21.8701, 0.1799, 0.2509

Sweetspot

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



21.8712, 0.4067, 0.2869



76.4204, 0.3321, 0.3167



20.3226, 0.2814, 0.1949



15.7314, 0.3354, 0.3149



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



21.8712, 0.4067, 0.2869



32.4624, 0.4416, 0.2799



24.5221, 0.4423, 0.3512



10.1304, 0.3239, 0.3216



7.7880, 0.5652, 0.2887



0.3493, 0.5009, 0.2533

Inverse Universe

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



21.8712, 0.4067, 0.2869



32.4624, 0.4416, 0.2799



38.9689, 0.2427, 0.3040



10.1304, 0.3239, 0.3216



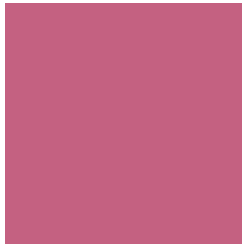
7.7880, 0.5652, 0.2887



0.3493, 0.5009, 0.2533

Previews

White Background



This preview shows how the Yxy color 21.8701, 0.4067, 0.2869 looks on a white background.

Color Contrast Check

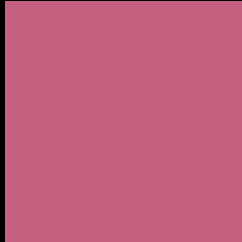
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8701, 0.4067, 0.2869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

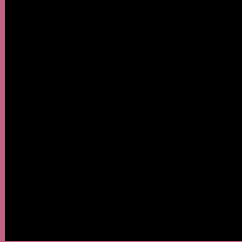
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8701, 0.4067, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 21.8701, 0.4067, 0.2869.



This preview shows how white text looks on a background with the Yxy color 21.8701, 0.4067, 0.2869.

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

21.8701, 0.4067, 0.2869

Protanopia

22.0121, 0.2897, 0.2943

Deuteranopia

22.0518, 0.3371, 0.3308



Tritanopia

21.8594, 0.4334, 0.3200

Trichromacy



Original Color

21.8701, 0.4067, 0.2869

Protanomaly

21.2250, 0.3270, 0.2900

Deuteranomaly

21.5544, 0.3616, 0.3118

Tritanomaly

21.9774, 0.4234, 0.3080

Monochromacy



Original Color

21.8701, 0.4067, 0.2869

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.4386, 0.3441, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8701, 0.4067, 0.2869 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(196, 97, 129)` looks like.

```
.text, #text, p{  
    color:rgb(196, 97, 129)  
}
```

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(196, 97, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 97, 129) }
```

Border

The CSS property to change the border of an element to Yxy 21.8701, 0.4067, 0.2869 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(196, 97, 129) }
```

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

```
.border{ border-color:rgb(196, 97, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 97, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 97, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 97, 129);  
box-shadow:4px 4px 4px 4px rgb(196, 97,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8701, 0.4067, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 97, 129) }
```

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

```
.background{ background-color: rgb(196, 97,  
129) }
```

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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