

Converting Colors

$Y_{xy}(18.5231, 0.4627, 0.2889)$

Have a look what the booklet for
Yxy(18.5231, 0.4627, 0.2889)
contains.

Yxy(18.5231, 0.4627, 0.2889)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.5231, 0.4627, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	CB496B
RGB	203, 73, 107
RGB Percent	80%, 29%, 42%
CMY	0.2039, 0.7137, 0.5803
CMYK	0.00, 0.64, 0.47, 0.20
HSL	344°, 56%, 54%
HSV	344°, 64%, 80%
XYZ	29.6665, 18.5231, 15.9264
YIQ	115.7460, 66.5660, 38.1340

Conversions

Conversions Part 2

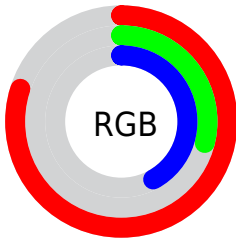
Format	Color
R_{YB}	203, 73, 107
Decimal	13322603
CIE _{Lab}	50.12, 54.15, 8.63
CIE _{LCh}	50, 54.830, 9.056
Yxy	18.5231, 0.4627, 0.2889
Android (android.graphics.Color)	4291512683 (0xFFCB496B)
YUV	115.7460, -4.3118, 76.5218
Hunter-Lab	43.0385, 47.7229, 8.1866

Details

The Yxy color **18.5231, 0.4627, 0.2889** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **46.9941, 0.2537, 0.3814**, and the grayscale version is **17.3822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1670, 0.4199, 0.2983**, and **6.2990, 0.5255, 0.2683** is the 20% darker color. If you saturate the color by 10%, you get **15.9892, 0.5007, 0.2878**, and if you desaturate by 10%, it is **21.9840, 0.4276, 0.2930**.

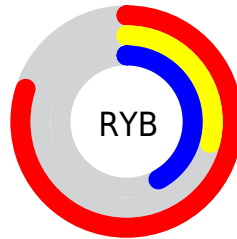
Distribution



Red (80%)

Green (29%)

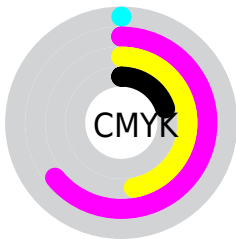
Blue (42%)



Red (80%)

Yellow (29%)

Blue (42%)

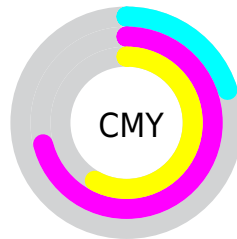


Cyan (0%)

Magenta (64%)

Yellow (47%)

Black (20%)



Cyan (20%)


Magenta (71%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5231, 0.4627, 0.2889 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 18.5231, 0.4627, 0.2889 by changing the saturation by 10% instead.


 18.5231, 0.4627,
0.2889


 18.5231, 0.4627,
0.2889


243.8032, 0.3763,
0.3138

 11.3262, 0.4887,
0.2805


 40.9267, 0.4282,
0.2994

 6.2867, 0.5250,
0.2682


 56.9021, 0.4162,
0.3029


 3.0202, 0.5784,
0.2486

 76.5726, 0.4064,
0.3057

 1.1423, 0.6671,
0.2161

 100.3224, 0.3983,
0.3079

 0.0138, 0.9905,
0.0095

 128.5360, 0.3915,
0.3098

 0.0000, 1.0000,
0.0000

161.5977, 0.3857,

 0.0000, 0.0000,

0.3114

0.0000

199.8920, 0.3806,
0.3127

■ 18.5231, 0.4627,
0.2889

■ 18.5231, 0.4627,
0.2889

■ 15.9892, 0.5007,
0.2878

■ 21.9840, 0.4276,
0.2930

■ 14.2881, 0.5388,
0.2906

■ 26.4479, 0.3969,
0.2989

■ 13.3107, 0.5731,
0.2976

■ 31.9865, 0.3709,
0.3057

■ 12.9551, 0.5908,
0.3028

■ 38.6640, 0.3495,
0.3128

■ 46.5394, 0.3319,
0.3198

■ 55.6678, 0.3177,
0.3265

■ 66.1008, 0.3061,
0.3326

■ 77.8870, 0.2967,
0.3383

■ 90.6227, 0.2889,
0.3427

Harmonies

Analogous

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



18.5231, 0.3618, 0.2319



18.5231, 0.4627, 0.2889



18.5231, 0.5133, 0.3556

Triad

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



18.5231, 0.4627, 0.2889



18.5231, 0.3372, 0.5228



18.5231, 0.1511, 0.1968

Complementary

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



18.5231, 0.4627, 0.2889



46.9941, 0.2537, 0.3814

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.



18.5231, 0.1465, 0.2504



18.5231, 0.4627, 0.2889



18.5231, 0.2448, 0.4666

Square

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



18.5231, 0.4627, 0.2889



18.5231, 0.4282, 0.4940



18.5231, 0.1766, 0.3496



18.5231, 0.1879, 0.1807

Rectangle

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



18.5231, 0.4627, 0.2889



18.5231, 0.5082, 0.4029



18.5231, 0.1766, 0.3496



18.5231, 0.1460, 0.2099

Sweetspot

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



18.5241, 0.4627, 0.2889



70.7944, 0.3406, 0.3162



17.4389, 0.2795, 0.1659



14.3561, 0.3459, 0.3142



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.



18.5241, 0.4627, 0.2889



25.4785, 0.5161, 0.2884



22.9453, 0.4893, 0.3655



11.2611, 0.3250, 0.3230



8.2571, 0.5873, 0.3009



0.4388, 0.5301, 0.2694

Inverse Universe

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



18.5241, 0.4627, 0.2889



25.4785, 0.5161, 0.2884



35.4890, 0.2259, 0.2822



11.2611, 0.3250, 0.3230



8.2571, 0.5873, 0.3009



0.4388, 0.5301, 0.2694

Previews

White Background



This preview shows how the Yxy color 18.5231, 0.4627, 0.2889 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 18.5231, 0.4627, 0.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

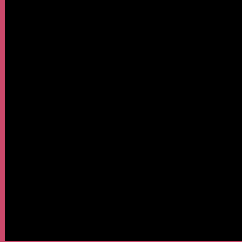
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5231, 0.4627, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 18.5231, 0.4627, 0.2889.

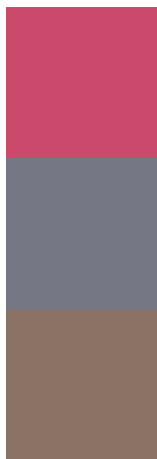


This preview shows how white text looks on a background with the Yxy color 18.5231, 0.4627, 0.2889.

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

18.5231, 0.4627, 0.2889

Protanopia

18.7111, 0.2968, 0.3046

Deuteranopia

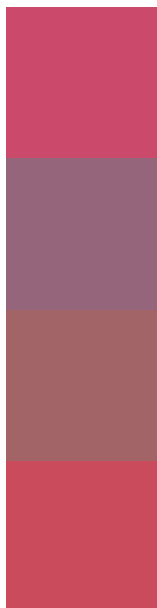
18.6043, 0.3614, 0.3546



Tritanopia

18.4908, 0.4967, 0.3237

Trichromacy



Original Color

18.5231, 0.4627, 0.2889

Protanomaly

17.3224, 0.3510, 0.2934

Deuteranomaly

17.7750, 0.3998, 0.3244

Tritanomaly

18.4981, 0.4849, 0.3107

Monochromacy



Original Color

18.5231, 0.4627, 0.2889

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.6025, 0.3648, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5231, 0.4627, 0.2889 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(203, 73, 107)` looks like.

```
.text, #text, p{  
    color:rgb(203, 73, 107)  
}
```

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(203, 73, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 73, 107) }
```

Border

The CSS property to change the border of an element to Yxy 18.5231, 0.4627, 0.2889 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(203, 73, 107) }
```

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

```
.border{ border-color:rgb(203, 73, 107) }
```

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

Here you see how a box with a 4 pixel rgb(203, 73, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 73, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 73, 107);  
box-shadow:4px 4px 4px 4px rgb(203, 73,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5231, 0.4627, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 73, 107) }
```

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

```
.background{ background-color: rgb(203, 73,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor