

Converting Colors

$Y_{xy}(18.2938, 0.4439, 0.2767)$

Have a look what the booklet for
Yxy(18.2938, 0.4439, 0.2767)
contains.

Yxy(18.3054, 0.4436, 0.2766)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.3054, 0.4436, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	C84974
RGB	200, 73, 116
RGB Percent	78%, 29%, 45%
CMY	0.2156, 0.7138, 0.5450
CMYK	0.00, 0.64, 0.42, 0.22
HSL	340°, 54%, 54%
HSV	340°, 64%, 78%
XYZ	29.3575, 18.3054, 18.5172
YIQ	115.8750, 61.8890, 40.2970

Conversions

Conversions Part 2

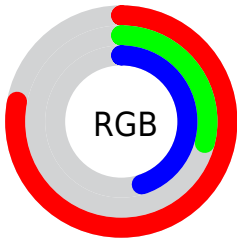
Format	Color
R_{YB}	200, 73, 116
Decimal	13126004
CIE _{Lab}	49.86, 54.09, 2.75
CIE _{LCh}	50, 54.156, 2.913
Yxy	18.3054, 0.4436, 0.2766
Android (android.graphics.Color)	4291316084 (0xFFC84974)
YUV	115.8750, 0.0616, 73.7776
Hunter-Lab	42.7848, 47.6072, 4.2888

Details

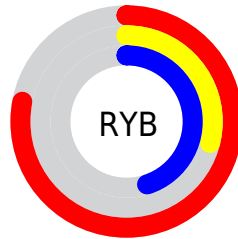
The Yxy color **18.3054, 0.4436, 0.2766** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **45.1625, 0.2593, 0.3972**, and the grayscale version is **17.4105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5255, 0.4081, 0.2879**, and **6.1452, 0.4979, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **15.8014, 0.4771, 0.2738**, and if you desaturate by 10%, it is **21.6999, 0.4130, 0.2826**.

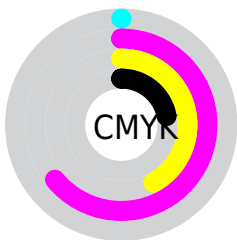
Distribution



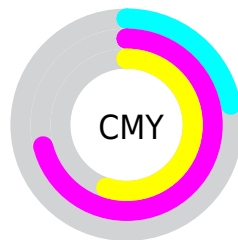
- Red (78%)
- Green (29%)
- Blue (45%)



- Red (78%)
- Yellow (29%)
- Blue (45%)



- Cyan (0%)
- Magenta (64%)
- Yellow (42%)
- Black (22%)





- Cyan (22%)
- Magenta (71%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3054, 0.4436, 0.2766 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 18.3054, 0.4436, 0.2766 by changing the saturation by 10% instead.


 18.3054, 0.4436,
0.2766


 18.3054, 0.4436,
0.2766


242.5868, 0.3684,
0.3072


 11.1695, 0.4663,
0.2671


 40.5570, 0.4136,
0.2890


 6.1809, 0.4980,
0.2536

 56.4415, 0.4031,
0.2933

 2.9554, 0.5452,
0.2332

 76.0110, 0.3946,
0.2967

 1.1085, 0.6211,
0.1995

 99.6498, 0.3876,
0.2995

 0.0000, 1.0000,
0.0000

 127.7425, 0.3817,
0.3019

 0.0000, 0.0000,
0.0000

160.6732, 0.3766,

0.3040

198.8266, 0.3722,
0.3057

■ 18.3054, 0.4436,
0.2766

■ 18.3054, 0.4436,
0.2766

■ 15.8014, 0.4771,
0.2738

■ 21.6999, 0.4130,
0.2826

■ 14.0989, 0.5115,
0.2753

■ 26.0571, 0.3863,
0.2905

■ 13.0950, 0.5440,
0.2818

■ 31.4447, 0.3636,
0.2995

■ 12.6951, 0.5634,
0.2877

■ 37.9237, 0.3448,
0.3086

■ 45.5504, 0.3293,
0.3176

■ 54.3770, 0.3166,
0.3261

■ 64.4524, 0.3062,
0.3341

■ 75.8231, 0.2977,
0.3414

■ 88.5329, 0.2908,
0.3481

Harmonies

Analogous

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



18.3054, 0.3393, 0.2230



18.3054, 0.4436, 0.2766



18.3054, 0.5071, 0.3417

Triad

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



18.3054, 0.4436, 0.2766



18.3054, 0.3566, 0.5210



18.3054, 0.1486, 0.2053

Complementary

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



18.3054, 0.4436, 0.2766



45.1625, 0.2593, 0.3972

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.



18.3054, 0.1507, 0.2676



18.3054, 0.4436, 0.2766



18.3054, 0.2632, 0.4840

Square

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



18.3054, 0.4436, 0.2766



18.3054, 0.4439, 0.4809



18.3054, 0.1885, 0.3740



18.3054, 0.1785, 0.1824

Rectangle

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



18.3054, 0.4436, 0.2766



18.3054, 0.5114, 0.3881



18.3054, 0.1885, 0.3740



18.3054, 0.1456, 0.2211

Sweetspot

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



18.3064, 0.4436, 0.2766



70.9937, 0.3378, 0.3125



15.9582, 0.2677, 0.1616



14.4037, 0.3425, 0.3098



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.



18.3064, 0.4436, 0.2766



26.1476, 0.4894, 0.2738



20.4237, 0.4975, 0.3521



10.6953, 0.3237, 0.3212



8.0863, 0.5597, 0.2857



0.3965, 0.5005, 0.2531

Inverse Universe

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



18.3064, 0.4436, 0.2766



26.1476, 0.4894, 0.2738



38.6170, 0.2304, 0.2997



10.6953, 0.3237, 0.3212



8.0863, 0.5597, 0.2857



0.3965, 0.5005, 0.2531

Previews

White Background



This preview shows how the Yxy color 18.3054, 0.4436, 0.2766 looks on a white background.

Color Contrast Check

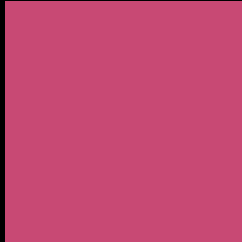
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.3054, 0.4436, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

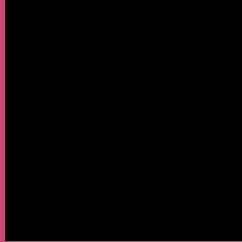
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3054, 0.4436, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 18.3054, 0.4436, 0.2766.



This preview shows how white text looks on a background with the Yxy color 18.3054, 0.4436, 0.2766.

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

18.3054, 0.4436, 0.2766

Protanopia

18.5174, 0.2806, 0.2828

Deuteranopia

18.4556, 0.3442, 0.3383



Tritanopia

18.3990, 0.4887, 0.3235

Trichromacy



Original Color

18.3054, 0.4436, 0.2766

Protanomaly

17.2159, 0.3316, 0.2763

Deuteranomaly

17.5533, 0.3805, 0.3095

Tritanomaly

18.2944, 0.4742, 0.3063

Monochromacy



Original Color

18.3054, 0.4436, 0.2766

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.5783, 0.3589, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3054, 0.4436, 0.2766 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(200, 73, 116)` looks like.

```
.text, #text, p{  
    color:rgb(200, 73, 116)  
}
```

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(200, 73, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 73, 116) }
```

Border

The CSS property to change the border of an element to Yxy 18.3054, 0.4436, 0.2766 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(200, 73, 116) }
```

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

```
.border{ border-color:rgb(200, 73, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 73, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 73, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 73, 116);  
box-shadow:4px 4px 4px 4px rgb(200, 73,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3054, 0.4436, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 73, 116) }
```

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

```
.background{ background-color: rgb(200, 73,  
116) }
```

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