

Converting Colors

$Y_{xy}(13.8748, 0.3867, 0.2189)$

Have a look what the booklet for
Yxy(13.8748, 0.3867, 0.2189)
contains.

Yxy(13.8771, 0.3865, 0.2187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.8771, 0.3865, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	B43389
RGB	180, 51, 137
RGB Percent	71%, 20%, 54%
CMY	0.2940, 0.8001, 0.4628
CMYK	0.00, 0.72, 0.24, 0.29
HSL	320°, 56%, 45%
HSV	320°, 72%, 71%
XYZ	24.5245, 13.8771, 25.0511
YIQ	99.3750, 49.2780, 54.0940

Conversions

Conversions Part 2

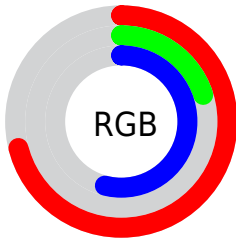
Format	Color
R_{YB}	180, 51, 137
Decimal	11809673
CIE _{Lab}	44.06, 59.45, -19.01
CIE _{LCh}	44, 62.416, 342.271
Yxy	13.8771, 0.3865, 0.2187
Android (android.graphics.Color)	4289999753 (0xFFB43389)
YUV	99.3750, 18.5491, 70.7081
Hunter-Lab	37.2520, 52.3227, -13.7948

Details

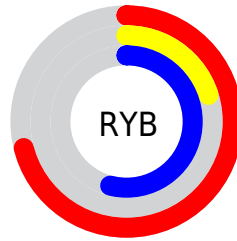
The Yxy color **13.8771, 0.3865, 0.2187** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **34.1617, 0.2815, 0.4879**, and the grayscale version is **12.5185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8374, 0.3698, 0.2411**, and **4.8991, 0.4081, 0.2022** is the 20% darker color. If you saturate the color by 10%, you get **12.4308, 0.4009, 0.2124**, and if you desaturate by 10%, it is **15.9432, 0.3726, 0.2292**.

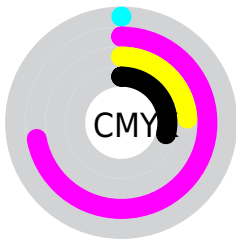
Distribution



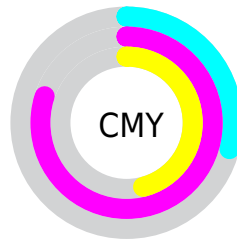
- Red (71%)
- Green (20%)
- Blue (54%)



- Red (71%)
- Yellow (20%)
- Blue (54%)



- Cyan (0%)
- Magenta (72%)
- Yellow (24%)
- Black (29%)




- Cyan (29%)
- Magenta (80%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8771, 0.3865, 0.2187 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 13.8771, 0.3865, 0.2187 by changing the saturation by 10% instead.


 13.8771, 0.3865,
0.2187


 13.8771, 0.3865,
0.2187


216.4649, 0.3452,
0.2790


 8.0352, 0.3984,
0.2020


 32.8708, 0.3703,
0.2419


 4.1175, 0.4148,
0.1796


 46.7914, 0.3646,
0.2502


 1.7395, 0.4384,
0.1486

 64.1738, 0.3599,
0.2571

 0.4490, 0.4815,
0.0916

 85.4022, 0.3560,
0.2629

 0.0000, 0.5742,
0.0000

 110.8612, 0.3527,
0.2678

 0.0000, 0.0000,
0.0000

 140.9350, 0.3499,

0.2720

176.0081, 0.3474,
0.2757

■ 13.8771, 0.3865,
0.2187

■ 13.8771, 0.3865,
0.2187

■ 12.4308, 0.4009,
0.2124

■ 15.9432, 0.3726,
0.2292

■ 11.5271, 0.4153,
0.2109

■ 18.6899, 0.3595,
0.2429

■ 11.0615, 0.4272,
0.2127

■ 22.1732, 0.3477,
0.2588

■ 26.4427, 0.3372,
0.2757

■ 31.5436, 0.3281,
0.2930

■ 37.5177, 0.3203,
0.3100

■ 44.4038, 0.3137,
0.3263

■ 52.2386, 0.3082,
0.3418

■ 61.0567, 0.3035,
0.3562

Harmonies

Analogous

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



13.8771, 0.2579, 0.1729



13.8771, 0.3865, 0.2187



13.8771, 0.5101, 0.2845

Triad

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



13.8771, 0.3865, 0.2187



13.8771, 0.4301, 0.5299



13.8771, 0.1158, 0.2198

Complementary

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



13.8771, 0.3865, 0.2187



34.1617, 0.2815, 0.4879

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.



13.8771, 0.1421, 0.3347



13.8771, 0.3865, 0.2187



13.8771, 0.3205, 0.5734

Square

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



13.8771, 0.3865, 0.2187



13.8771, 0.5202, 0.4425



13.8771, 0.2143, 0.4933



13.8771, 0.1259, 0.1666

Rectangle

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



13.8771, 0.3865, 0.2187



13.8771, 0.5532, 0.3336



13.8771, 0.2143, 0.4933



13.8771, 0.1201, 0.2503

Sweetspot

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



13.8778, 0.3865, 0.2187



56.4863, 0.3287, 0.2918



8.0418, 0.2124, 0.1217



11.6514, 0.3310, 0.2872



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.8778, 0.3865, 0.2187



21.4755, 0.4093, 0.2109



12.5461, 0.5137, 0.3041



8.5976, 0.3187, 0.3139



7.7313, 0.4255, 0.2118



0.2535, 0.3897, 0.1921

Inverse Universe

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



13.8778, 0.3865, 0.2187



21.4755, 0.4093, 0.2109



35.8397, 0.2440, 0.3658



8.5976, 0.3187, 0.3139



7.7313, 0.4255, 0.2118



0.2535, 0.3897, 0.1921

Previews

White Background



This preview shows how the Yxy color 13.8771, 0.3865, 0.2187 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 13.8771, 0.3865, 0.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

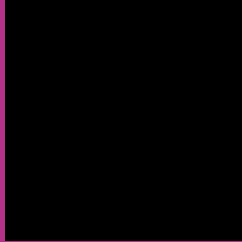
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8771, 0.3865, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 13.8771, 0.3865, 0.2187.



This preview shows how white text looks on a background with the Yxy color 13.8771, 0.3865, 0.2187.

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

13.8771, 0.3865, 0.2187

Protanopia

14.3307, 0.2124, 0.1950

Deuteranopia

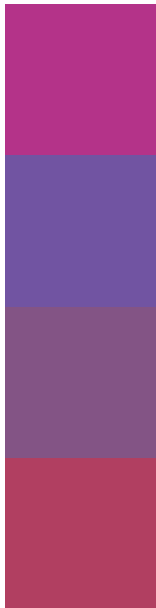
14.1958, 0.2796, 0.2742



Tritanopia

13.9887, 0.4890, 0.3241

Trichromacy



Original Color

13.8771, 0.3865, 0.2187

Protanomaly

12.4600, 0.2551, 0.1926

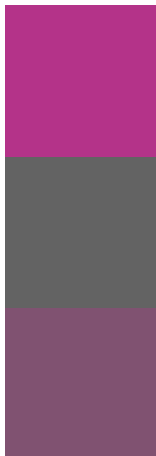
Deuteranomaly

12.8594, 0.3139, 0.2408

Tritanomaly

13.7652, 0.4537, 0.2830

Monochromacy



Original Color

13.8771, 0.3865, 0.2187

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.8160, 0.3399, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8771, 0.3865, 0.2187 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(180, 51, 137)` looks like.

```
.text, #text, p{  
    color:rgb(180, 51, 137)  
}
```

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(180, 51, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 51, 137) }
```

Border

The CSS property to change the border of an element to Yxy 13.8771, 0.3865, 0.2187 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(180, 51, 137) }
```

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

```
.border{ border-color:rgb(180, 51, 137) }
```

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

Here you see how a box with a 4 pixel rgb(180, 51, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 51, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 51, 137);  
box-shadow:4px 4px 4px 4px rgb(180, 51,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8771, 0.3865, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 51, 137) }
```

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

```
.background{ background-color: rgb(180, 51,  
137) }
```

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