

Converting Colors

$Y_{xy}(13.2736, 0.4278, 0.2377)$

Have a look what the booklet for
Yxy(13.2736, 0.4278, 0.2377)
contains.

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Color

Yxy(13.3236, 0.4279, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	B82C77
RGB	184, 44, 119
RGB Percent	72%, 17%, 47%
CMY	0.2785, 0.8273, 0.5334
CMYK	0.00, 0.76, 0.35, 0.28
HSL	328°, 61%, 45%
HSV	328°, 76%, 72%
XYZ	23.9948, 13.3236, 18.7573
YIQ	94.4100, 59.3650, 53.0050

Conversions

Conversions Part 2

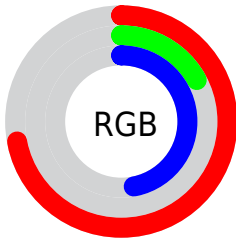
Format	Color
R_{YB}	184, 44, 119
Decimal	12070007
CIE Lab	43.25, 60.63, -9.13
CIE LCh	43, 61.317, 351.433
Yxy	13.3236, 0.4279, 0.2376
Android (android.graphics.Color)	4290260087 (0xFFB82C77)
YUV	94.4100, 12.1229, 78.5704
Hunter-Lab	36.5015, 53.4620, -4.9168

Details

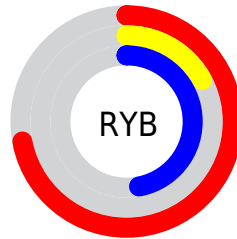
The Yxy color **13.3236, 0.4279, 0.2376** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **35.9163, 0.2714, 0.4655**, and the grayscale version is **11.2593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8739, 0.4010, 0.2582**, and **4.8906, 0.4634, 0.2326** is the 20% darker color. If you saturate the color by 10%, you get **12.0470, 0.4502, 0.2362**, and if you desaturate by 10%, it is **15.2275, 0.4062, 0.2438**.

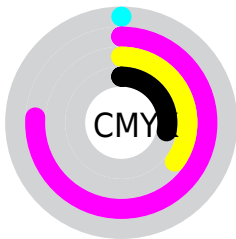
Distribution



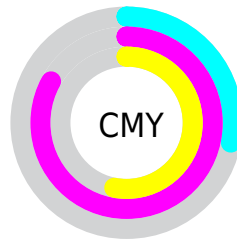
- Red (72%)
- Green (17%)
- Blue (47%)



- Red (72%)
- Yellow (17%)
- Blue (47%)



- Cyan (0%)
- Magenta (76%)
- Yellow (35%)
- Black (28%)




- Cyan (28%)
- Magenta (83%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3236, 0.4279, 0.2376 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 13.3236, 0.4279, 0.2376 by changing the saturation by 10% instead.


 13.3236, 0.4279,
0.2376


 13.3236, 0.4279,
0.2376


212.9813, 0.3605,
0.2895

 7.6518, 0.4489,
0.2223


 31.8839, 0.4006,
0.2581


 3.8729, 0.4789,
0.2010

 45.5412, 0.3912,
0.2653

 1.6027, 0.5249,
0.1700

 62.6291, 0.3836,
0.2712

 0.3594, 0.6181,
0.0987

 83.5320, 0.3774,
0.2761

 0.0000, 1.0000,
0.0000

 108.6342, 0.3722,
0.2802

 0.0000, 0.0000,
0.0000

 138.3203, 0.3677,

0.2838

172.9745, 0.3639,
0.2868

■ 13.3236, 0.4279,
0.2376

■ 13.3236, 0.4279,
0.2376

■ 12.0470, 0.4502,
0.2362

■ 15.2275, 0.4062,
0.2438

■ 11.3032, 0.4722,
0.2400

■ 17.8284, 0.3861,
0.2536

■ 11.0808, 0.4808,
0.2422

■ 21.1888, 0.3680,
0.2659

■ 25.3638, 0.3522,
0.2795

■ 30.4032, 0.3387,
0.2936

■ 36.3529, 0.3273,
0.3077

■ 43.2554, 0.3177,
0.3212

■ 51.1506, 0.3098,
0.3339

■ 60.0761, 0.3032,
0.3458

Harmonies

Analogous

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



13.3236, 0.2939, 0.1846



13.3236, 0.4279, 0.2376



13.3236, 0.5342, 0.3069

Triad

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



13.3236, 0.4279, 0.2376



13.3236, 0.3975, 0.5509



13.3236, 0.1160, 0.1985

Complementary

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



13.3236, 0.4279, 0.2376



35.9163, 0.2714, 0.4655

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.



13.3236, 0.1302, 0.2925



13.3236, 0.4279, 0.2376



13.3236, 0.2868, 0.5630

Square

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



13.3236, 0.4279, 0.2376



13.3236, 0.4960, 0.4696



13.3236, 0.1879, 0.4457



13.3236, 0.1362, 0.1598

Rectangle

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



13.3236, 0.4279, 0.2376



13.3236, 0.5577, 0.3571



13.3236, 0.1879, 0.4457



13.3236, 0.1166, 0.2225

Sweetspot

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



13.3243, 0.4279, 0.2376



57.8507, 0.3354, 0.2974



8.3906, 0.2226, 0.1196



11.6895, 0.3398, 0.2923



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.3243, 0.4279, 0.2376



20.8771, 0.4645, 0.2381



12.2319, 0.5615, 0.3230



9.0905, 0.3206, 0.3168



7.6525, 0.4783, 0.2409



0.2821, 0.4273, 0.2127

Inverse Universe

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



13.3243, 0.4279, 0.2376



20.8771, 0.4645, 0.2381



37.9855, 0.2339, 0.3402



9.0905, 0.3206, 0.3168



7.6525, 0.4783, 0.2409



0.2821, 0.4273, 0.2127

Previews

White Background



This preview shows how the Yxy color 13.3236, 0.4279, 0.2376 looks on a white background.

Color Contrast Check

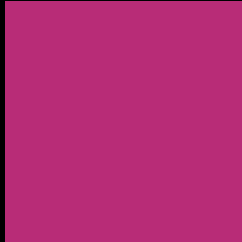
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3236, 0.4279, 0.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

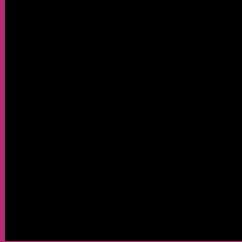
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3236, 0.4279, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 13.3236, 0.4279, 0.2376.



This preview shows how white text looks on a background with the Yxy color 13.3236, 0.4279, 0.2376.

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

13.3236, 0.4279, 0.2376

Protanopia

13.6150, 0.2313, 0.2188

Deuteranopia

13.5354, 0.3096, 0.3039



Tritanopia

13.3052, 0.5216, 0.3248

Trichromacy



Original Color

13.3236, 0.4279, 0.2376

Protanomaly

11.7440, 0.2834, 0.2127

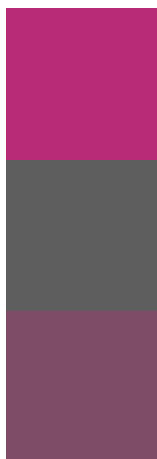
Deuteranomaly

12.2094, 0.3500, 0.2651

Tritanomaly

13.1022, 0.4901, 0.2922

Monochromacy



Original Color

13.3236, 0.4279, 0.2376

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.6602, 0.3570, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3236, 0.4279, 0.2376 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(184, 44, 119)` looks like.

```
.text, #text, p{  
    color:rgb(184, 44, 119)  
}
```

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(184, 44, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 44, 119) }
```

Border

The CSS property to change the border of an element to Yxy 13.3236, 0.4279, 0.2376 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(184, 44, 119) }
```

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

```
.border{ border-color:rgb(184, 44, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 44, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 44, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 44, 119);  
box-shadow:4px 4px 4px 4px rgb(184, 44,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3236, 0.4279, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 44, 119) }
```

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

```
.background{ background-color: rgb(184, 44,  
119) }
```

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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