

Converting Colors

$Y_{xy}(16.4070, 0.4255, 0.2472)$

Have a look what the booklet for
Yxy(16.4070, 0.4255, 0.2472)
contains.

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Color

Yxy(16.3960, 0.4246, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	C43B7F
RGB	196, 59, 127
RGB Percent	77%, 23%, 50%
CMY	0.2313, 0.7687, 0.5019
CMYK	0.00, 0.70, 0.35, 0.23
HSL	330°, 54%, 50%
HSV	330°, 70%, 77%
XYZ	28.1624, 16.3960, 21.7685
YIQ	107.7150, 59.8240, 50.1920

Conversions

Conversions Part 2

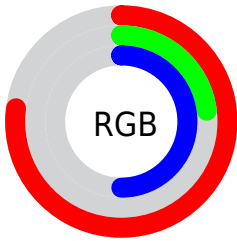
Format	Color
R_{YB}	196, 59, 127
Decimal	12860287
CIE _{Lab}	47.49, 59.67, -7.48
CIE _{LCh}	47, 60.139, 352.854
Yxy	16.3960, 0.4246, 0.2472
Android (android.graphics.Color)	4291050367 (0xFFC43B7F)
YUV	107.7150, 9.5075, 77.4259
Hunter-Lab	40.4920, 53.2868, -3.5299

Details

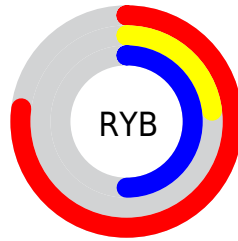
The Yxy color **16.3960, 0.4246, 0.2472** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **41.9702, 0.2690, 0.4437**, and the grayscale version is **14.8726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0461, 0.3976, 0.2643**, and **5.9533, 0.4642, 0.2331** is the 20% darker color. If you saturate the color by 10%, you get **14.5017, 0.4492, 0.2437**, and if you desaturate by 10%, it is **19.0733, 0.4014, 0.2549**.

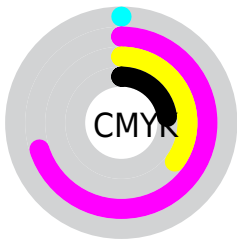
Distribution



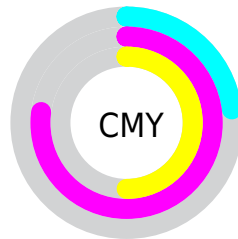
- Red (77%)
- Green (23%)
- Blue (50%)



- Red (77%)
- Yellow (23%)
- Blue (50%)



- Cyan (0%)
- Magenta (70%)
- Yellow (35%)
- Black (23%)





- Cyan (23%)
- Magenta (77%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3960, 0.4246, 0.2472 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 16.3960, 0.4246, 0.2472 by changing the saturation by 10% instead.

 16.3960, 0.4246,
0.2472


 16.3960, 0.4246,
0.2472


231.6672, 0.3606,
0.2928


 9.8048, 0.4438,
0.2341


 37.2843, 0.3991,
0.2650

 5.2697, 0.4708,
0.2162


 52.3502, 0.3902,
0.2713

 2.4064, 0.5109,
0.1904

 71.0099, 0.3830,
0.2765

 0.8292, 0.5760,
0.1507

 93.6476, 0.3770,
0.2808

 0.0000, 0.8494,
0.0000

 120.6478, 0.3719,
0.2845

 0.0000, 1.0000,
0.0000

152.3948, 0.3676,

 0.0000, 0.0000,

0.2877

0.0000

189.2732, 0.3639,
0.2904

■ 16.3960, 0.4246,
0.2472

■ 16.3960, 0.4246,
0.2472

■ 14.5017, 0.4492,
0.2437

■ 19.0733, 0.4014,
0.2549

■ 13.2973, 0.4740,
0.2454

■ 22.6076, 0.3804,
0.2654

■ 12.6118, 0.4980,
0.2518

■ 27.0670, 0.3620,
0.2778

■ 12.6059, 0.4983,
0.2518

■ 32.5122, 0.3462,
0.2909

■ 38.9984, 0.3329,
0.3041

■ 46.5771, 0.3218,
0.3169

■ 55.2959, 0.3126,
0.3291

■ 65.1998, 0.3050,
0.3405

■ 76.3315, 0.2987,
0.3510

Harmonies

Analogous

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



16.3960, 0.3016, 0.1955



16.3960, 0.4246, 0.2472



16.3960, 0.5193, 0.3142

Triad

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



16.3960, 0.4246, 0.2472



16.3960, 0.3914, 0.5381



16.3960, 0.1277, 0.2059

Complementary

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



16.3960, 0.4246, 0.2472



41.9702, 0.2690, 0.4437

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.



16.3960, 0.1407, 0.2918



16.3960, 0.4246, 0.2472



16.3960, 0.2870, 0.5381

Square

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



16.3960, 0.4246, 0.2472



16.3960, 0.4831, 0.4688



16.3960, 0.1946, 0.4283



16.3960, 0.1485, 0.1697

Rectangle

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



16.3960, 0.4246, 0.2472



16.3960, 0.5400, 0.3629



16.3960, 0.1946, 0.4283



16.3960, 0.1280, 0.2281

Sweetspot

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



16.3969, 0.4246, 0.2472



68.8471, 0.3347, 0.3022



11.6635, 0.2383, 0.1365



14.0057, 0.3383, 0.2985



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.



16.3969, 0.4246, 0.2472



24.9438, 0.4627, 0.2440



15.1795, 0.5456, 0.3297



10.1594, 0.3213, 0.3176



8.1166, 0.4952, 0.2501



0.3646, 0.4461, 0.2231

Inverse Universe

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



16.3969, 0.4246, 0.2472



24.9438, 0.4627, 0.2440



44.3983, 0.2333, 0.3288



10.1594, 0.3213, 0.3176



8.1166, 0.4952, 0.2501



0.3646, 0.4461, 0.2231

Previews

White Background



This preview shows how the Yxy color 16.3960, 0.4246, 0.2472 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 16.3960, 0.4246, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

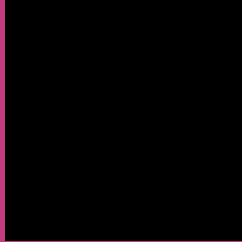
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3960, 0.4246, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 16.3960, 0.4246, 0.2472.



This preview shows how white text looks on a background with the Yxy color 16.3960, 0.4246, 0.2472.

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

16.3960, 0.4246, 0.2472

Protanopia

16.7384, 0.2447, 0.2375

Deuteranopia

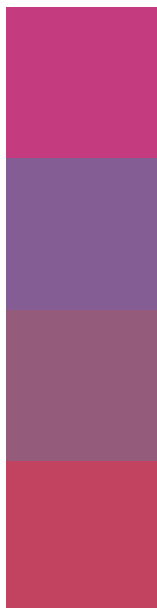
16.5729, 0.3150, 0.3097



Tritanopia

16.3630, 0.5034, 0.3248

Trichromacy



Original Color

16.3960, 0.4246, 0.2472

Protanomaly

14.9852, 0.2956, 0.2330

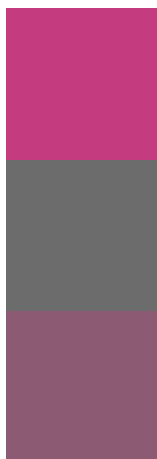
Deuteranomaly

15.2081, 0.3526, 0.2746

Tritanomaly

16.1780, 0.4755, 0.2951

Monochromacy



Original Color

16.3960, 0.4246, 0.2472

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.1256, 0.3534, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3960, 0.4246, 0.2472 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, 59, 127)` looks like.

```
.text, #text, p{  
    color:rgb(196, 59, 127)  
}
```

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, 59, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 59, 127) }
```

Border

The CSS property to change the border of an element to Yxy 16.3960, 0.4246, 0.2472 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, 59, 127) }
```

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

```
.border{ border-color:rgb(196, 59, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 59, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 59, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 59, 127);  
box-shadow:4px 4px 4px 4px rgb(196, 59,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3960, 0.4246, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 59, 127) }
```

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

```
.background{ background-color: rgb(196, 59,  
127) }
```

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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