

Converting Colors

$Y_{xy}(15.7157, 0.4467, 0.2422)$

Have a look what the booklet for
Yxy(15.7157, 0.4467, 0.2422)
contains.

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Color

Yxy(15.7124, 0.4464, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	CB297B
RGB	203, 41, 123
RGB Percent	80%, 16%, 48%
CMY	0.2040, 0.8391, 0.5176
CMYK	0.00, 0.80, 0.39, 0.20
HSL	330°, 66%, 48%
HSV	330°, 80%, 80%
XYZ	28.9955, 15.7124, 20.2462
YIQ	98.7860, 70.2300, 59.8460

Conversions

Conversions Part 2

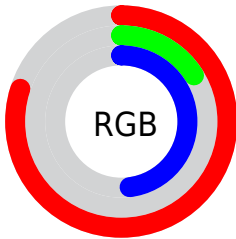
Format	Color
R_{YB}	203, 41, 123
Decimal	13314427
CIE _{Lab}	46.59, 66.78, -6.23
CIE _{LCh}	47, 67.074, 354.669
Yxy	15.7124, 0.4464, 0.2419
Android (android.graphics.Color)	4291504507 (0xFFFCB297B)
YUV	98.7860, 11.9375, 91.3957
Hunter-Lab	39.6389, 61.2033, -2.5361

Details

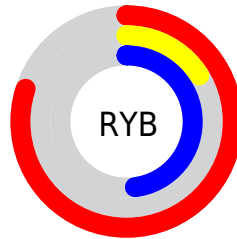
The Yxy color **15.7124, 0.4464, 0.2419** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **44.5608, 0.2690, 0.4660**, and the grayscale version is **12.3802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2558, 0.4070, 0.2585**, and **6.3341, 0.4844, 0.2442** is the 20% darker color. If you saturate the color by 10%, you get **14.4136, 0.4707, 0.2434**, and if you desaturate by 10%, it is **17.7620, 0.4223, 0.2456**.

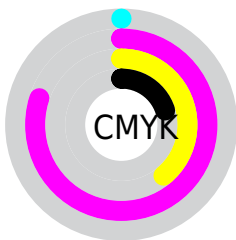
Distribution



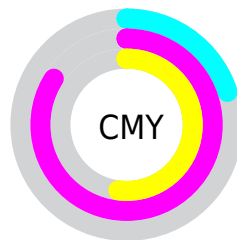
- Red (80%)
- Green (16%)
- Blue (48%)



- Red (80%)
- Yellow (16%)
- Blue (48%)



- Cyan (0%)
- Magenta (80%)
- Yellow (39%)
- Black (20%)



- Cyan (20%)
- Magenta (84%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7124, 0.4464, 0.2419 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 15.7124, 0.4464, 0.2419 by changing the saturation by 10% instead.


 15.7124, 0.4464,
0.2419


 15.7124, 0.4464,
0.2419


227.6386, 0.3695,
0.2908


 9.3209, 0.4696,
0.2277


 36.0982, 0.4156,
0.2611


 4.9511, 0.5021,
0.2083


 50.8612, 0.4050,
0.2679

 2.2186, 0.5505,
0.1803

 69.1836, 0.3963,
0.2734

 0.7301, 0.6288,
0.1364

 91.4496, 0.3891,
0.2781

 0.0000, 0.9816,
0.0000

 118.0438, 0.3830,
0.2820

 0.0000, 1.0000,
0.0000

 149.3504, 0.3778,

 0.0000, 0.0000,

0.2854

0.0000

185.7539, 0.3734,
0.2883

■ 15.7124, 0.4464,
0.2419

■ 15.7124, 0.4464,
0.2419

■ 14.4136, 0.4707,
0.2434

■ 17.7620, 0.4223,
0.2456

■ 13.6831, 0.4941,
0.2497


■ 20.6582, 0.3996,
0.2534


■ 13.6697, 0.4946,
0.2499

■ 24.4855, 0.3791,
0.2643

■ 29.3171, 0.3611,
0.2769

■ 35.2189, 0.3456,
0.2902

 42.2513, 0.3325,
0.3037

 50.4698, 0.3216,
0.3168

 59.9267, 0.3125,
0.3293

 70.6707, 0.3051,
0.3409

Harmonies

Analogous

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



15.7124, 0.3069, 0.1856



15.7124, 0.4464, 0.2419



15.7124, 0.5484, 0.3131

Triad

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



15.7124, 0.4464, 0.2419



15.7124, 0.3857, 0.5637



15.7124, 0.1121, 0.1878

Complementary

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



15.7124, 0.4464, 0.2419



44.5608, 0.2690, 0.4660

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.



15.7124, 0.1219, 0.2766



15.7124, 0.4464, 0.2419



15.7124, 0.2724, 0.5657

Square

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



15.7124, 0.4464, 0.2419



15.7124, 0.4898, 0.4812



15.7124, 0.1749, 0.4318



15.7124, 0.1362, 0.1537

Rectangle

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



15.7124, 0.4464, 0.2419



15.7124, 0.5646, 0.3645



15.7124, 0.1749, 0.4318



15.7124, 0.1114, 0.2101

Sweetspot

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



15.7133, 0.4464, 0.2419



65.1787, 0.3381, 0.2976



9.8429, 0.2224, 0.1139



13.0610, 0.3430, 0.2928



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.



15.7133, 0.4464, 0.2419



23.2058, 0.4882, 0.2481



14.4628, 0.5864, 0.3278



11.3068, 0.3212, 0.3173



8.7185, 0.4916, 0.2482



0.4651, 0.4494, 0.2250

Inverse Universe

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



15.7133, 0.4464, 0.2419



23.2058, 0.4882, 0.2481



47.3639, 0.2299, 0.3328



11.3068, 0.3212, 0.3173



8.7185, 0.4916, 0.2482



0.4651, 0.4494, 0.2250

Previews

White Background



This preview shows how the Yxy color 15.7124, 0.4464, 0.2419 looks on a white background.

Color Contrast Check

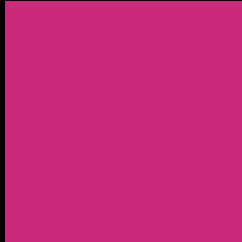
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7124, 0.4464, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

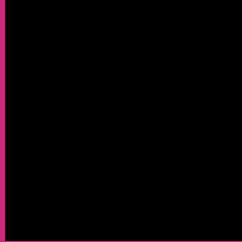
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7124, 0.4464, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 15.7124, 0.4464, 0.2419.



This preview shows how white text looks on a background with the Yxy color 15.7124, 0.4464, 0.2419.

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

15.7124, 0.4464, 0.2419

Protanopia

16.0026, 0.2354, 0.2234

Deuteranopia

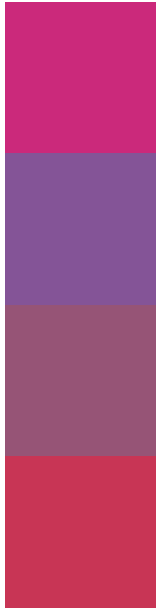
15.9560, 0.3202, 0.3153



Tritanopia

15.7327, 0.5412, 0.3266

Trichromacy



Original Color

15.7124, 0.4464, 0.2419

Protanomaly

13.4805, 0.2916, 0.2151

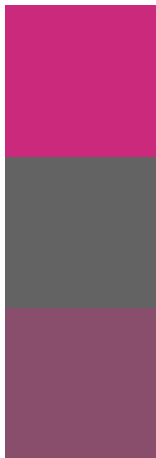
Deuteranomaly

14.1327, 0.3656, 0.2717

Tritanomaly

15.4814, 0.5103, 0.2955

Monochromacy



Original Color

15.7124, 0.4464, 0.2419

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.8499, 0.3642, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7124, 0.4464, 0.2419 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, 41, 123)` looks like.

```
.text, #text, p{  
    color:rgb(203, 41, 123)  
}
```

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, 41, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 41, 123) }
```

Border

The CSS property to change the border of an element to Yxy 15.7124, 0.4464, 0.2419 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, 41, 123) }
```

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

```
.border{ border-color:rgb(203, 41, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 41, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 41, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 41, 123);  
box-shadow:4px 4px 4px 4px rgb(203, 41,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7124, 0.4464, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 41, 123) }
```

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

```
.background{ background-color: rgb(203, 41,  
123) }
```

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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