

Converting Colors

$Y_{xy}(15.6376, 0.4779, 0.2475)$

Have a look what the booklet for
Yxy(15.6376, 0.4779, 0.2475)
contains.

Yxy(15.6376, 0.4779, 0.2475)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6376, 0.4779, 0.2475)

Conversions

Conversions Part 1

Format	Color
Hex	D31672
RGB	211, 22, 114
RGB Percent	83%, 9%, 45%
CMY	0.1724, 0.9141, 0.5529
CMYK	0.00, 0.90, 0.46, 0.17
HSL	331°, 81%, 46%
HSV	331°, 90%, 83%
XYZ	30.1948, 15.6376, 17.3498
YIQ	88.9990, 83.1120, 68.6800

Conversions

Conversions Part 2

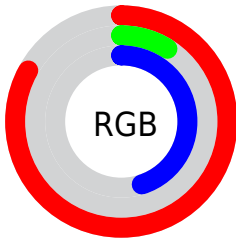
Format	Color
R _Y B	211, 22, 114
Decimal	13833842
CIE Lab	46.50, 71.79, -0.68
CIE LCh	46, 71.794, 359.459
Yxy	15.6376, 0.4779, 0.2475
Android (android.graphics.Color)	4292023922 (0xFFD31672)
YUV	88.9990, 12.3255, 106.9949
Hunter-Lab	39.5444, 67.0939, 1.6680

Details

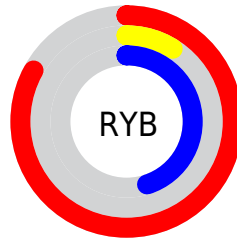
The Yxy color **15.6376, 0.4779, 0.2475** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **48.1023, 0.2686, 0.4793**, and the grayscale version is **9.9374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3789, 0.4210, 0.2606**, and **6.8774, 0.5175, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **14.8536, 0.5024, 0.2544**, and if you desaturate by 10%, it is **17.0580, 0.4524, 0.2455**.

Distribution



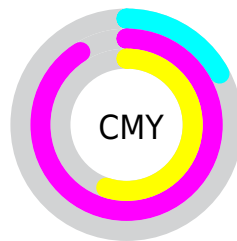
- Red (83%)
- Green (9%)
- Blue (45%)



- Red (83%)
- Yellow (9%)
- Blue (45%)



- Cyan (0%)
- Magenta (90%)
- Yellow (46%)
- Black (17%)




- Cyan (17%)
- Magenta (91%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6376, 0.4779, 0.2475 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 15.6376, 0.4779, 0.2475 by changing the saturation by 10% instead.


 15.6376, 0.4779,
0.2475


 15.6376, 0.4779,
0.2475


227.1937, 0.3821,
0.2946


 9.2681, 0.5069,
0.2333


 35.9679, 0.4395,
0.2663


 4.9165, 0.5474,
0.2136

 50.6975, 0.4262,
0.2729


 2.1983, 0.6071,
0.1846

 68.9825, 0.4154,
0.2782

 0.7191, 0.7022,
0.1382

 91.2074, 0.4064,
0.2826

 0.0000, 1.0000,
0.0000

 117.7566, 0.3989,
0.2863

 0.0000, 0.0000,
0.0000

 149.0145, 0.3925,

0.2895

185.3653, 0.3870,
0.2922

■ 15.6376, 0.4779,
0.2475

■ 15.6376, 0.4779,
0.2475

■ 14.8536, 0.5024,
0.2544

■ 17.0580, 0.4524,
0.2455

■ 14.8279, 0.5034,
0.2547

■ 19.3005, 0.4271,
0.2488

■ 22.4745, 0.4032,
0.2562

■ 26.6718, 0.3816,
0.2667

■ 31.9730, 0.3628,
0.2788

■ 38.4506, 0.3466,
0.2918

■ 46.1711, 0.3331,
0.3048

■ 55.1955, 0.3218,
0.3175

■ 65.5813, 0.3124,
0.3294

Harmonies

Analogous

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



15.6376, 0.3285, 0.1859



15.6376, 0.4779, 0.2475



15.6376, 0.5719, 0.3217

Triad

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



15.6376, 0.4779, 0.2475



15.6376, 0.3659, 0.5868



15.6376, 0.1048, 0.1707

Complementary

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



15.6376, 0.4779, 0.2475



48.1023, 0.2686, 0.4793

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.



15.6376, 0.1082, 0.2513



15.6376, 0.4779, 0.2475



15.6376, 0.2484, 0.5715

Square

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



15.6376, 0.4779, 0.2475



15.6376, 0.4800, 0.5012



15.6376, 0.1535, 0.4092



15.6376, 0.1351, 0.1433

Rectangle

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



15.6376, 0.4779, 0.2475



15.6376, 0.5758, 0.3751



15.6376, 0.1535, 0.4092



15.6376, 0.1021, 0.1902

Sweetspot

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



15.6385, 0.4779, 0.2475



61.5915, 0.3433, 0.2948



9.0199, 0.2129, 0.0994



12.3709, 0.3483, 0.2903



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.



15.6385, 0.4779, 0.2475



22.7200, 0.5057, 0.2560



14.4809, 0.6220, 0.3299



11.9028, 0.3215, 0.3177



8.9665, 0.4999, 0.2528



0.5174, 0.4584, 0.2299

Inverse Universe

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



15.6385, 0.4779, 0.2475



22.7200, 0.5057, 0.2560



51.4769, 0.2260, 0.3287



11.9028, 0.3215, 0.3177



8.9665, 0.4999, 0.2528



0.5174, 0.4584, 0.2299

Previews

White Background



This preview shows how the Yxy color 15.6376, 0.4779, 0.2475 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 15.6376, 0.4779, 0.2475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

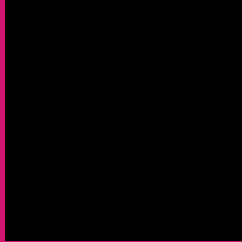
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6376, 0.4779, 0.2475

Background



This preview shows how black text looks on a background with the Yxy color 15.6376, 0.4779, 0.2475.



This preview shows how white text looks on a background with the Yxy color 15.6376, 0.4779, 0.2475.

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

15.6376, 0.4779, 0.2475

Protanopia

16.1402, 0.2413, 0.2330

Deuteranopia

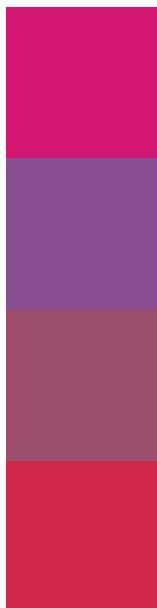
16.0301, 0.3390, 0.3350



Tritanopia

15.8368, 0.5751, 0.3290

Trichromacy



Original Color

15.6376, 0.4779, 0.2475

Protanomaly

12.8115, 0.3063, 0.2162

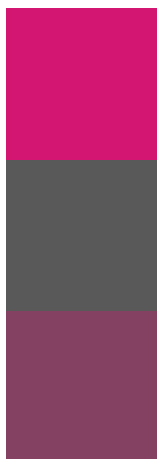
Deuteranomaly

13.4584, 0.3948, 0.2786

Tritanomaly

15.4874, 0.5479, 0.3006

Monochromacy



Original Color

15.6376, 0.4779, 0.2475

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.6490, 0.3813, 0.2672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6376, 0.4779, 0.2475 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(211, 22, 114)` looks like.

```
.text, #text, p{  
    color:rgb(211, 22, 114)  
}
```

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(211, 22, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 22, 114) }
```

Border

The CSS property to change the border of an element to Yxy 15.6376, 0.4779, 0.2475 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(211, 22, 114) }
```

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

```
.border{ border-color:rgb(211, 22, 114) }
```

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

Here you see how a box with a 4 pixel rgb(211, 22, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 22, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 22, 114);  
box-shadow:4px 4px 4px 4px rgb(211, 22,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6376, 0.4779, 0.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 22, 114) }
```

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

```
.background{ background-color: rgb(211, 22,  
114) }
```

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