

Converting Colors

$Y_{xy}(15.8061, 0.4381, 0.2269)$

Have a look what the booklet for
Yxy(15.8061, 0.4381, 0.2269)
contains.

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Color

Yxy(15.8146, 0.4387, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	D01A84
RGB	208, 26, 132
RGB Percent	82%, 10%, 52%
CMY	0.1843, 0.8982, 0.4823
CMYK	0.00, 0.88, 0.37, 0.18
HSL	325°, 78%, 46%
HSV	325°, 88%, 82%
XYZ	30.5498, 15.8146, 23.2727
YIQ	92.5020, 74.4460, 71.5500

Conversions

Conversions Part 2

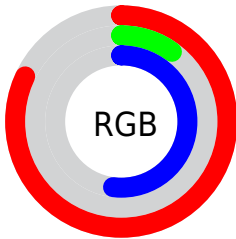
Format	Color
R_{YB}	208, 26, 132
Decimal	13638276
CIE _{Lab}	46.73, 72.11, -11.42
CIE _{LCh}	47, 73.010, 350.997
Yxy	15.8146, 0.4387, 0.2271
Android (android.graphics.Color)	4291828356 (0xFFD01A84)
YUV	92.5020, 19.4725, 101.2917
Hunter-Lab	39.7676, 67.5321, -6.8603

Details

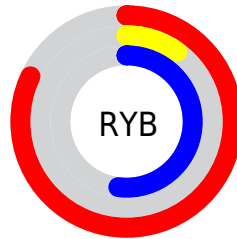
The Yxy color **15.8146, 0.4387, 0.2271** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **46.2971, 0.2764, 0.5041**, and the grayscale version is **10.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3122, 0.3960, 0.2431**, and **6.9204, 0.4671, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **14.9622, 0.4579, 0.2309**, and if you desaturate by 10%, it is **17.3406, 0.4191, 0.2285**.

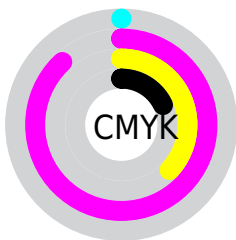
Distribution



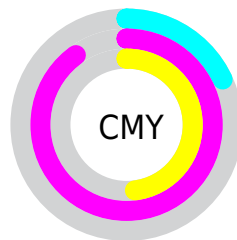
- Red (82%)
- Green (10%)
- Blue (52%)



- Red (82%)
- Yellow (10%)
- Blue (52%)



- Cyan (0%)
- Magenta (88%)
- Yellow (37%)
- Black (18%)





- Cyan (18%)
- Magenta (90%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8146, 0.4387, 0.2271 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 15.8146, 0.4387, 0.2271 by changing the saturation by 10% instead.


 15.8146, 0.4387,
0.2271

 15.8146, 0.4387,
0.2271


228.2452, 0.3673,
0.2829


 9.3931, 0.4597,
0.2116


 36.2760, 0.4105,
0.2485

 4.9984, 0.4888,
0.1909


 51.0847, 0.4006,
0.2562

 2.2463, 0.5313,
0.1620


 69.4579, 0.3925,
0.2626

 0.7451, 0.5985,
0.1192

 91.7800, 0.3857,
0.2680

 0.0000, 0.7937,
0.0000

 118.4354, 0.3800,
0.2725

 0.0000, 1.0000,
0.0000

 149.8084, 0.3752,

 0.0000, 0.0000,

0.2765

0.0000

186.2836, 0.3709,
0.2799

■ 15.8146, 0.4387,
0.2271

■ 15.8146, 0.4387,
0.2271

■ 14.9622, 0.4579,
0.2309

■ 17.3406, 0.4191,
0.2285

■ 14.7964, 0.4626,
0.2322

■ 19.6767, 0.3999,
0.2348

■ 22.9238, 0.3817,
0.2450

■ 27.1674, 0.3653,
0.2581

■ 32.4833, 0.3507,
0.2727

■ 38.9397, 0.3382,
0.2881

■ 46.5990, 0.3275,
0.3034

■ 55.5192, 0.3185,
0.3183

■ 65.7545, 0.3110,
0.3324

Harmonies

Analogous

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



15.8146, 0.2886, 0.1714



15.8146, 0.4387, 0.2271



15.8146, 0.5586, 0.2994

Triad

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



15.8146, 0.4387, 0.2271



15.8146, 0.3990, 0.5697



15.8146, 0.1006, 0.1851

Complementary

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



15.8146, 0.4387, 0.2271



46.2971, 0.2764, 0.5041

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.



15.8146, 0.1142, 0.2871



15.8146, 0.4387, 0.2271



15.8146, 0.2798, 0.5966

Square

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



15.8146, 0.4387, 0.2271



15.8146, 0.5092, 0.4731



15.8146, 0.1740, 0.4643



15.8146, 0.1214, 0.1454

Rectangle

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



15.8146, 0.4387, 0.2271



15.8146, 0.5825, 0.3513



15.8146, 0.1740, 0.4643



15.8146, 0.1010, 0.2105

Sweetspot

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



15.8155, 0.4387, 0.2271



63.0898, 0.3368, 0.2899



8.1066, 0.2010, 0.0946



12.6735, 0.3409, 0.2845



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.



15.8155, 0.4387, 0.2271



23.4148, 0.4647, 0.2334



14.3106, 0.6012, 0.3212



11.9221, 0.3201, 0.3155



9.2401, 0.4601, 0.2308



0.5323, 0.4277, 0.2130

Inverse Universe

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



15.8155, 0.4387, 0.2271



23.4148, 0.4647, 0.2334



49.1815, 0.2330, 0.3515



11.9221, 0.3201, 0.3155



9.2401, 0.4601, 0.2308



0.5323, 0.4277, 0.2130

Previews

White Background



This preview shows how the Yxy color 15.8146, 0.4387, 0.2271 looks on a white background.

Color Contrast Check

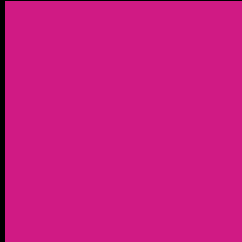
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8146, 0.4387, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

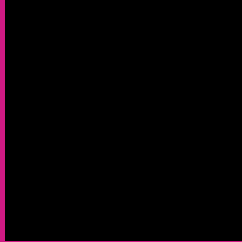
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8146, 0.4387, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 15.8146, 0.4387, 0.2271.



This preview shows how white text looks on a background with the Yxy color 15.8146, 0.4387, 0.2271.

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

15.8146, 0.4387, 0.2271

Protanopia

16.4040, 0.2155, 0.1994

Deuteranopia

16.2189, 0.3074, 0.3018



Tritanopia

15.8406, 0.5538, 0.3269

Trichromacy



Original Color

15.8146, 0.4387, 0.2271



Protanomaly

12.8572, 0.2676, 0.1867



Deuteranomaly

13.6776, 0.3555, 0.2516



Tritanomaly

15.5278, 0.5180, 0.2894

Monochromacy



Original Color

15.8146, 0.4387, 0.2271



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.2641, 0.3644, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8146, 0.4387, 0.2271 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(208, 26, 132)` looks like.

```
.text, #text, p{  
    color:rgb(208, 26, 132)  
}
```

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(208, 26, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 26, 132) }
```

Border

The CSS property to change the border of an element to Yxy 15.8146, 0.4387, 0.2271 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(208, 26, 132) }
```

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

```
.border{ border-color:rgb(208, 26, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 26, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 26, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 26, 132);  
box-shadow:4px 4px 4px 4px rgb(208, 26,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8146, 0.4387, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 26, 132) }
```

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

```
.background{ background-color: rgb(208, 26,  
132) }
```

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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