

Converting Colors

$Y_{xy}(15.7178, 0.4385, 0.2189)$

Have a look what the booklet for
Yxy(15.7178, 0.4385, 0.2189)
contains.

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Color

Yxy(15.7746, 0.4386, 0.2190)

Conversions

Conversions Part 1

Format	Color
Hex	D40088
RGB	212, 0, 136
RGB Percent	83%, 0%, 53%
CMY	0.1687, 0.9995, 0.4668
CMYK	0.00, 1.00, 0.36, 0.17
HSL	322°, 100%, 42%
HSV	322°, 100%, 83%
XYZ	31.5924, 15.7746, 24.6631
YIQ	78.8920, 82.6960, 87.2400

Conversions

Conversions Part 2

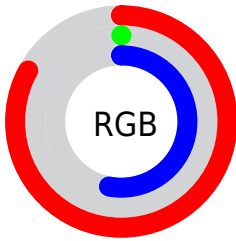
Format	Color
R_{YB}	212, 0, 136
Decimal	13893768
CIE _{Lab}	46.68, 76.19, -13.85
CIE _{LCh}	47, 77.440, 349.696
Yxy	15.7746, 0.4386, 0.2190
Android (android.graphics.Color)	4292083848 (0xFFD40088)
YUV	78.8920, 28.1542, 116.7357
Hunter-Lab	39.7173, 72.4796, -9.0151

Details

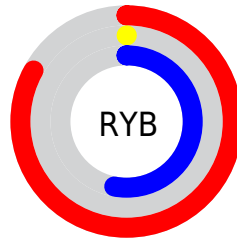
The Yxy color **15.7746, 0.4386, 0.2190** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **47.6080, 0.2850, 0.5459**, and the grayscale version is **7.7434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4163, 0.3921, 0.2347**, and **7.3473, 0.4655, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **15.7717, 0.4387, 0.2190**, and if you desaturate by 10%, it is **16.5450, 0.4229, 0.2158**.

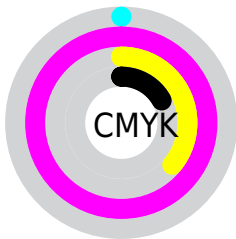
Distribution



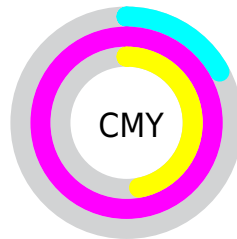
- Red (83%)
- Green (0%)
- Blue (53%)



- Red (83%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (17%)




- Cyan (17%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7746, 0.4386, 0.2190 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 15.7746, 0.4386, 0.2190 by changing the saturation by 10% instead.


 15.7746, 0.4386,
0.2190


 15.7746, 0.4386,
0.2190


228.0080, 0.3677,
0.2785

 9.3648, 0.4592,
0.2028


 36.2065, 0.4108,
0.2417


 4.9799, 0.4874,
0.1813


 50.9973, 0.4010,
0.2499

 2.2355, 0.5283,
0.1519


 69.3506, 0.3929,
0.2567

 0.7392, 0.5918,
0.1093

 91.6508, 0.3862,
0.2624

 0.0000, 0.7499,
0.0000

 118.2822, 0.3805,
0.2673

 0.0000, 1.0000,
0.0000

 149.6293, 0.3757,

 0.0000, 0.0000,

0.2716

0.0000

186.0764, 0.3714,
0.2753

■ 15.7746, 0.4386,
0.2190

■ 15.7746, 0.4386,
0.2190

■ 15.7717, 0.4387,
0.2190

■ 16.5450, 0.4229,
0.2158

■ 17.9294, 0.4069,
0.2171

■ 20.1270, 0.3909,
0.2235

■ 23.2478, 0.3756,
0.2340

■ 27.3842, 0.3614,
0.2477

■ 32.6177, 0.3486,
0.2633

■ 39.0212, 0.3374,
0.2800

■ 46.6614, 0.3278,
0.2968

■ 55.6000, 0.3196,
0.3133

Harmonies

Analogous

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



15.7746, 0.2804, 0.1630



15.7746, 0.4386, 0.2190



15.7746, 0.5689, 0.2923

Triad

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



15.7746, 0.4386, 0.2190



15.7746, 0.4041, 0.5766



15.7746, 0.0927, 0.1805

Complementary

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



15.7746, 0.4386, 0.2190



47.6080, 0.2850, 0.5459

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.



15.7746, 0.1071, 0.2896



15.7746, 0.4386, 0.2190



15.7746, 0.2796, 0.6167

Square

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



15.7746, 0.4386, 0.2190



15.7746, 0.5201, 0.4710



15.7746, 0.1697, 0.4823



15.7746, 0.1126, 0.1387

Rectangle

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



15.7746, 0.4386, 0.2190



15.7746, 0.5956, 0.3446



15.7746, 0.1697, 0.4823



15.7746, 0.0933, 0.2073

Sweetspot

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



15.7755, 0.4386, 0.2190



58.8768, 0.3378, 0.2793



6.2225, 0.1761, 0.0744



11.6733, 0.3424, 0.2722



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.



15.7755, 0.4386, 0.2190



23.9227, 0.4402, 0.2199



14.1024, 0.6209, 0.3194



12.5535, 0.3192, 0.3142



9.7571, 0.4366, 0.2179



0.6041, 0.4115, 0.2040

Inverse Universe

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



15.7755, 0.4386, 0.2190



23.9227, 0.4402, 0.2199



50.3882, 0.2382, 0.3773



12.5535, 0.3192, 0.3142



9.7571, 0.4366, 0.2179



0.6041, 0.4115, 0.2040

Previews

White Background



This preview shows how the Yxy color 15.7746, 0.4386, 0.2190 looks on a white background.

Color Contrast Check

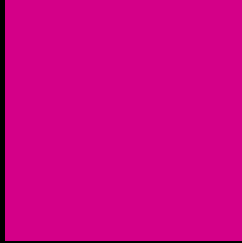
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7746, 0.4386, 0.2190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

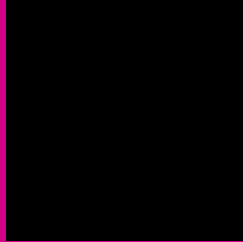
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7746, 0.4386, 0.2190

Background



This preview shows how black text looks on a background with the Yxy color 15.7746, 0.4386, 0.2190.



This preview shows how white text looks on a background with the Yxy color 15.7746, 0.4386, 0.2190.

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

15.7746, 0.4386, 0.2190

Protanopia

16.5878, 0.2064, 0.1868

Deuteranopia

16.4661, 0.3012, 0.2962



Tritanopia

16.1893, 0.5625, 0.3280

Trichromacy



Original Color

15.7746, 0.4386, 0.2190



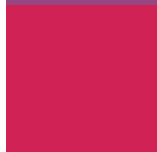
Protanomaly

11.7963, 0.2560, 0.1651



Deuteranomaly

12.6674, 0.3524, 0.2329



Tritanomaly

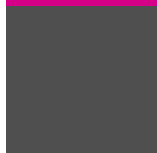
15.3552, 0.5287, 0.2848

Monochromacy



Original Color

15.7746, 0.4386, 0.2190



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.7133, 0.3716, 0.2351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7746, 0.4386, 0.2190 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(212, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 136)  
}
```

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(212, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 136) }
```

Border

The CSS property to change the border of an element to Yxy 15.7746, 0.4386, 0.2190 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(212, 0, 136) }
```

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

```
.border{ border-color:rgb(212, 0, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7746, 0.4386, 0.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 136) }
```

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

```
.background{ background-color: rgb(212, 0,  
136) }
```

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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