

Converting Colors

$Yxy(16.2237, 0.4336, 0.2162)$

Have a look what the booklet for
Yxy(16.2237, 0.4336, 0.2162)
contains.

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Color

Yxy(16.1896, 0.4336, 0.2162)

Conversions

Conversions Part 1

Format	Color
Hex	D6008C
RGB	214, 0, 140
RGB Percent	84%, 0%, 55%
CMY	0.1607, 1.0000, 0.4510
CMYK	0.00, 1.00, 0.35, 0.16
HSL	321°, 100%, 42%
HSV	321°, 100%, 84%
XYZ	32.4691, 16.1896, 26.2239
YIQ	79.9460, 82.6040, 88.9080

Conversions

Conversions Part 2

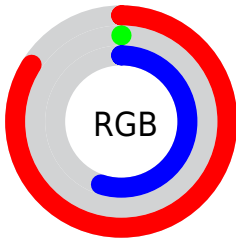
Format	Color
RYB	214, 0, 140
Decimal	14024844
CIELab	47.22, 77.02, -15.43
CIElCh	47, 78.548, 348.670
Yxy	16.1896, 0.4336, 0.2162
Android (android.graphics.Color)	4292214924 (0xFFD6008C)
YUV	79.9460, 29.6066, 117.5654
Hunter-Lab	40.2363, 73.6287, -10.4766

Details

The Yxy color **16.1896, 0.4336, 0.2162** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **48.5971, 0.2860, 0.5497**, and the grayscale version is **7.9414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8093, 0.3857, 0.2309**, and **7.6082, 0.4581, 0.2297** is the 20% darker color. If you saturate the color by 10%, you get **16.1923, 0.4336, 0.2162**, and if you desaturate by 10%, it is **16.9693, 0.4186, 0.2133**.

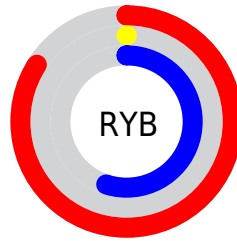
Distribution



Red (84%)

Green (0%)

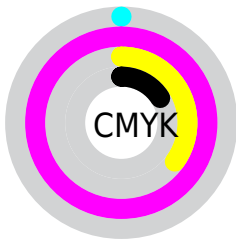
Blue (55%)



Red (84%)

Yellow (0%)

Blue (55%)

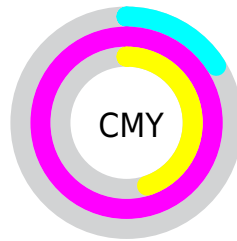


Cyan (0%)

Magenta (100%)

Yellow (35%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1896, 0.4336, 0.2162 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 16.1896, 0.4336, 0.2162 by changing the saturation by 10% instead.


 16.1896, 0.4336,
0.2162


 16.1896, 0.4336,
0.2162


230.4579, 0.3661,
0.2767


 9.6584, 0.4529,
0.2000


 36.9270, 0.4073,
0.2391


 5.1731, 0.4793,
0.1786


 51.9021, 0.3979,
0.2474

 2.3492, 0.5172,
0.1496

 70.4606, 0.3903,
0.2543

 0.7995, 0.5750,
0.1088

 92.9868, 0.3838,
0.2602

 0.0000, 0.7109,
0.0000

 119.8653, 0.3784,
0.2652

 0.0000, 1.0000,
0.0000

 151.4804, 0.3737,

 0.0000, 0.0000,

0.2696

0.0000

188.2165, 0.3697,
0.2733

■ 16.1896, 0.4336,
0.2162

■ 16.1896, 0.4336,
0.2162

■ 16.1923, 0.4336,
0.2162

■ 16.9693, 0.4186,
0.2133

■ 18.3724, 0.4034,
0.2148

■ 20.6048, 0.3881,
0.2214

■ 23.7794, 0.3734,
0.2321

■ 27.9909, 0.3598,
0.2460

■ 33.3226, 0.3475,
0.2620

■ 39.8494, 0.3367,
0.2789

■ 47.6394, 0.3274,
0.2961

■ 56.7558, 0.3194,
0.3129

Harmonies

Analogous

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



16.1896, 0.2754, 0.1610



16.1896, 0.4336, 0.2162



16.1896, 0.5673, 0.2893

Triad

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



16.1896, 0.4336, 0.2162



16.1896, 0.4083, 0.5743



16.1896, 0.0919, 0.1822

Complementary

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



16.1896, 0.4336, 0.2162



48.5971, 0.2860, 0.5497

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.



16.1896, 0.1076, 0.2946



16.1896, 0.4336, 0.2162



16.1896, 0.2833, 0.6196

Square

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



16.1896, 0.4336, 0.2162



16.1896, 0.5239, 0.4672



16.1896, 0.1720, 0.4903



16.1896, 0.1107, 0.1387

Rectangle

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



16.1896, 0.4336, 0.2162



16.1896, 0.5967, 0.3415



16.1896, 0.1720, 0.4903



16.1896, 0.0929, 0.2099

Sweetspot

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



16.1923, 0.4336, 0.2162



58.9317, 0.3370, 0.2784



6.2084, 0.1736, 0.0730



11.6865, 0.3415, 0.2711



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.



16.1923, 0.4336, 0.2162



24.0429, 0.4350, 0.2170



14.4243, 0.6175, 0.3176



12.5563, 0.3190, 0.3139



9.8056, 0.4315, 0.2151



0.6067, 0.4076, 0.2019

Inverse Universe

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



16.1923, 0.4336, 0.2162



24.0429, 0.4350, 0.2170



51.3308, 0.2398, 0.3831



12.5563, 0.3190, 0.3139



9.8056, 0.4315, 0.2151



0.6067, 0.4076, 0.2019

Previews

White Background



This preview shows how the Yxy color 16.1896, 0.4336, 0.2162 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 16.1896, 0.4336, 0.2162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

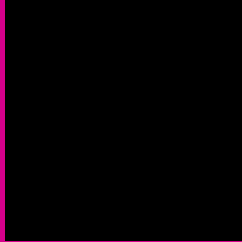
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1896, 0.4336, 0.2162

Background



This preview shows how black text looks on a background with the Yxy color 16.1896, 0.4336, 0.2162.



This preview shows how white text looks on a background with the Yxy color 16.1896, 0.4336, 0.2162.

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

16.1896, 0.4336, 0.2162

Protanopia

16.9555, 0.2033, 0.1828

Deuteranopia

16.7625, 0.2977, 0.2927



Tritanopia

16.5831, 0.5617, 0.3280

Trichromacy



Original Color

16.1896, 0.4336, 0.2162



Protanomaly

12.0059, 0.2512, 0.1621



Deuteranomaly

12.9031, 0.3457, 0.2287



Tritanomaly

15.7391, 0.5264, 0.2839

Monochromacy



Original Color

16.1896, 0.4336, 0.2162



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

7.9941, 0.3708, 0.2346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1896, 0.4336, 0.2162 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(214, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 140)  
}
```

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(214, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 140) }
```

Border

The CSS property to change the border of an element to Yxy 16.1896, 0.4336, 0.2162 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(214, 0, 140) }
```

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

```
.border{ border-color:rgb(214, 0, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1896, 0.4336, 0.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 140) }
```

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

```
.background{ background-color: rgb(214, 0,  
140) }
```

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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