

Converting Colors

$Y_{xy}(17.9488, 0.4068, 0.2175)$

Have a look what the booklet for
Yxy(17.9488, 0.4068, 0.2175)
contains.

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Color

Yxy(17.9592, 0.4071, 0.2176)

Conversions

Conversions Part 1

Format	Color
Hex	D42B97
RGB	212, 43, 151
RGB Percent	83%, 17%, 59%
CMY	0.1687, 0.8312, 0.4078
CMYK	0.00, 0.80, 0.29, 0.17
HSL	322°, 66%, 50%
HSV	322°, 80%, 83%
XYZ	33.5992, 17.9592, 30.9747
YIQ	105.8430, 66.0560, 69.4160

Conversions

Conversions Part 2

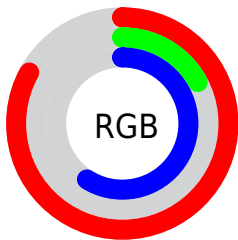
Format	Color
RYB	212, 43, 151
Decimal	13904791
CIELab	49.45, 71.44, -18.70
CIELCh	49, 73.845, 345.333
Yxy	17.9592, 0.4071, 0.2176
Android (android.graphics.Color)	4292094871 (0xFFD42B97)
YUV	105.8430, 22.2624, 93.0997
Hunter-Lab	42.3783, 67.3600, -13.6708

Details

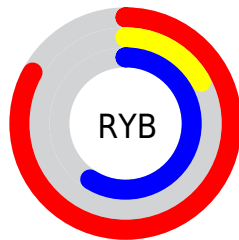
The Yxy color **17.9592, 0.4071, 0.2176** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **48.5963, 0.2796, 0.5026**, and the grayscale version is **14.2968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3929, 0.3699, 0.2336**, and **7.6924, 0.4305, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **16.5569, 0.4233, 0.2162**, and if you desaturate by 10%, it is **20.1798, 0.3910, 0.2240**.

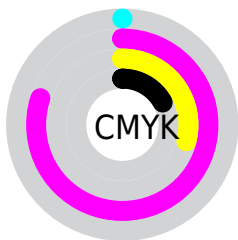
Distribution



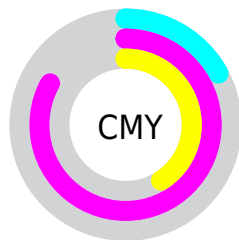
- Red (83%)
- Green (17%)
- Blue (59%)



- Red (83%)
- Yellow (17%)
- Blue (59%)



- Cyan (0%)
- Magenta (80%)
- Yellow (29%)
- Black (17%)





- Cyan (17%)
- Magenta (83%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9592, 0.4071, 0.2176 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 17.9592, 0.4071, 0.2176 by changing the saturation by 10% instead.


 17.9592, 0.4071,
0.2176


 17.9592, 0.4071,
0.2176

240.6410, 0.3557,
0.2762


 10.9207, 0.4213,
0.2023


 39.9678, 0.3874,
0.2395

 6.0135, 0.4404,
0.1823


 55.7067, 0.3803,
0.2475

 2.8533, 0.4673,
0.1555


 75.1145, 0.3744,
0.2542

 1.0556, 0.5072,
0.1185

 98.5756, 0.3695,
0.2600

 0.0000, 0.6120,
0.0000

 126.4744, 0.3653,
0.2649

 0.0000, 0.9475,
0.0000

159.1953, 0.3617,

 0.0000, 0.0000,

0.2691

0.0000

197.1227, 0.3585,
0.2729

■ 17.9592, 0.4071,
0.2176

■ 17.9592, 0.4071,
0.2176

■ 16.5569, 0.4233,
0.2162

■ 20.1798, 0.3910,
0.2240

■ 15.7784, 0.4391,
0.2194

■ 23.3250, 0.3756,
0.2346

■ 15.7581, 0.4396,
0.2195

■ 27.4883, 0.3613,
0.2483

■ 32.7505, 0.3485,
0.2639

■ 39.1847, 0.3373,
0.2805

■ 46.8574, 0.3277,
0.2973

■ 55.8300, 0.3194,
0.3138

■ 66.1600, 0.3125,
0.3295

■ 77.9013, 0.3067,
0.3442

Harmonies

Analogous

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



17.9592, 0.2655, 0.1674



17.9592, 0.4071, 0.2176



17.9592, 0.5361, 0.2871

Triad

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



17.9592, 0.4071, 0.2176



17.9592, 0.4209, 0.5491



17.9592, 0.1045, 0.2023

Complementary

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



17.9592, 0.4071, 0.2176



48.5963, 0.2796, 0.5026

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.



17.9592, 0.1259, 0.3170



17.9592, 0.4071, 0.2176



17.9592, 0.3043, 0.5939

Square

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



17.9592, 0.4071, 0.2176



17.9592, 0.5223, 0.4533



17.9592, 0.1952, 0.4931



17.9592, 0.1187, 0.1535

Rectangle

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



17.9592, 0.4071, 0.2176



17.9592, 0.5739, 0.3378



17.9592, 0.1952, 0.4931



17.9592, 0.1072, 0.2318

Sweetspot

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



17.9602, 0.4071, 0.2176



65.6326, 0.3319, 0.2897



9.3177, 0.2012, 0.1028



13.1701, 0.3354, 0.2837



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.



17.9602, 0.4071, 0.2176



24.2580, 0.4348, 0.2184



16.1477, 0.5555, 0.3086



12.5531, 0.3192, 0.3142



9.7491, 0.4374, 0.2183



0.6036, 0.4121, 0.2044

Inverse Universe

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



17.9602, 0.4071, 0.2176



24.2580, 0.4348, 0.2184



51.1692, 0.2398, 0.3666



12.5531, 0.3192, 0.3142



9.7491, 0.4374, 0.2183



0.6036, 0.4121, 0.2044

Previews

White Background



This preview shows how the Yxy color 17.9592, 0.4071, 0.2176 looks on a white background.

Color Contrast Check

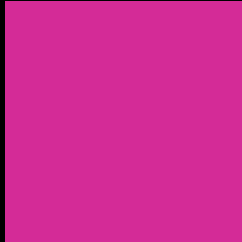
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9592, 0.4071, 0.2176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

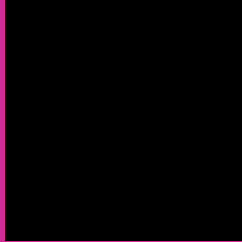
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9592, 0.4071, 0.2176

Background



This preview shows how black text looks on a background with the Yxy color 17.9592, 0.4071, 0.2176.



This preview shows how white text looks on a background with the Yxy color 17.9592, 0.4071, 0.2176.

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

17.9592, 0.4071, 0.2176

Protanopia

18.5559, 0.2073, 0.1881

Deuteranopia

18.2953, 0.2860, 0.2813



Tritanopia

17.9965, 0.5222, 0.3254

Trichromacy



Original Color

17.9592, 0.4071, 0.2176



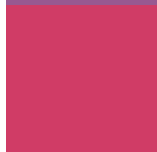
Protanomaly

15.2367, 0.2522, 0.1810



Deuteranomaly

15.8645, 0.3267, 0.2396



Tritanomaly

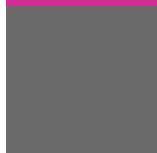
17.6009, 0.4842, 0.2838

Monochromacy



Original Color

17.9592, 0.4071, 0.2176



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.6114, 0.3518, 0.2619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9592, 0.4071, 0.2176 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, 43, 151)` looks like.

```
.text, #text, p{  
    color:rgb(212, 43, 151)  
}
```

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, 43, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 43, 151) }
```

Border

The CSS property to change the border of an element to Yxy 17.9592, 0.4071, 0.2176 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, 43, 151) }
```

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

```
.border{ border-color:rgb(212, 43, 151) }
```

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

Here you see how a box with a 4 pixel rgb(212, 43, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 43, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 43, 151);  
box-shadow:4px 4px 4px 4px rgb(212, 43,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9592, 0.4071, 0.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 43, 151) }
```

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

```
.background{ background-color: rgb(212, 43,  
151) }
```

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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