

Converting Colors

$Y_{xy}(16.6925, 0.4972, 0.2726)$

Have a look what the booklet for
Yxy(16.6925, 0.4972, 0.2726)
contains.

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Color

Yxy(16.6841, 0.4963, 0.2722)

Conversions

Conversions Part 1

Format	Color
Hex	D42B66
RGB	212, 43, 102
RGB Percent	83%, 17%, 40%
CMY	0.1685, 0.8316, 0.6000
CMYK	0.00, 0.80, 0.52, 0.17
HSL	339°, 66%, 50%
HSV	339°, 80%, 83%
XYZ	30.4200, 16.6841, 14.1895
YIQ	100.2570, 81.7850, 54.1770

Conversions

Conversions Part 2

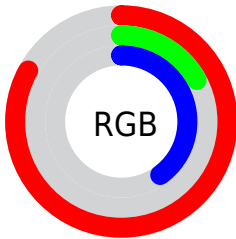
Format	Color
RYB	212, 43, 102
Decimal	13904742
CIELab	47.86, 66.76, 8.70
CIElCh	48, 67.322, 7.429
Yxy	16.6841, 0.4963, 0.2722
Android (android.graphics.Color)	4292094822 (0xFFD42B66)
YUV	100.2570, 0.8593, 97.9986
Hunter-Lab	40.8462, 61.4562, 7.9957

Details

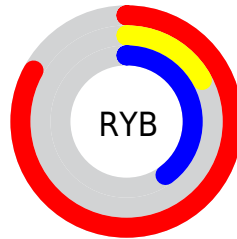
The Yxy color **16.6841, 0.4963, 0.2722** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **49.9128, 0.2559, 0.4217**, and the grayscale version is **12.7899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8680, 0.4348, 0.2824**, and **6.8648, 0.5457, 0.2780** is the 20% darker color. If you saturate the color by 10%, you get **15.2737, 0.5295, 0.2768**, and if you desaturate by 10%, it is **18.9421, 0.4624, 0.2725**.

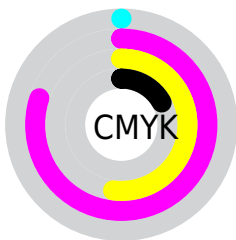
Distribution



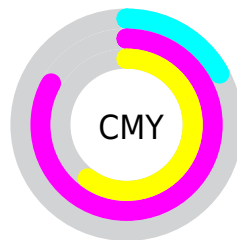
- Red (83%)
- Green (17%)
- Blue (40%)



- Red (83%)
- Yellow (17%)
- Blue (40%)



- Cyan (0%)
- Magenta (80%)
- Yellow (52%)
- Black (17%)



- Cyan (17%)
- Magenta (83%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6841, 0.4963, 0.2722 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 16.6841, 0.4963, 0.2722 by changing the saturation by 10% instead.


 16.6841, 0.4963,
0.2722

 16.6841, 0.4963,
0.2722


233.3453, 0.3897,
0.3075

 10.0095, 0.5284,
0.2605


 37.7818, 0.4536,
0.2870


 5.4053, 0.5730,
0.2434

 52.9738, 0.4388,
0.2919

 2.4870, 0.6378,
0.2168

 71.7736, 0.4267,
0.2959

 0.8701, 0.7542,
0.1769

 94.5658, 0.4167,
0.2991

 0.0000, 1.0000,
0.0000

 121.7346, 0.4083,
0.3017

 0.0000, 0.0000,
0.0000

153.6646, 0.4012,

0.3039

190.7400, 0.3950,
0.3058

■ 16.6841, 0.4963,
0.2722

■ 16.6841, 0.4963,
0.2722

■ 15.2737, 0.5295,
0.2768

■ 18.9421, 0.4624,
0.2725

■ 14.5132, 0.5595,
0.2858

■ 22.1559, 0.4303,
0.2768


■ 14.4965, 0.5603,
0.2860

■ 26.4207, 0.4015,
0.2839


■ 31.8192, 0.3766,
0.2926

■ 38.4258, 0.3557,
0.3020

 46.3084, 0.3383,
0.3115

 55.5301, 0.3241,
0.3206

 66.1494, 0.3124,
0.3292

 78.2218, 0.3029,
0.3372

Harmonies

Analogous

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



16.6841, 0.3647, 0.2083



16.6841, 0.4963, 0.2722



16.6841, 0.5603, 0.3461

Triad

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



16.6841, 0.4963, 0.2722



16.6841, 0.3381, 0.5765



16.6841, 0.1203, 0.1701

Complementary

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



16.6841, 0.4963, 0.2722



49.9128, 0.2559, 0.4217

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.



16.6841, 0.1155, 0.2322



16.6841, 0.4963, 0.2722



16.6841, 0.2286, 0.5184

Square

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



16.6841, 0.4963, 0.2722



16.6841, 0.4473, 0.5183



16.6841, 0.1485, 0.3596



16.6841, 0.1592, 0.1525

Rectangle

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



16.6841, 0.4963, 0.2722



16.6841, 0.5507, 0.3998



16.6841, 0.1485, 0.3596



16.6841, 0.1150, 0.1848

Sweetspot

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



16.6851, 0.4963, 0.2722



64.6700, 0.3457, 0.3072



13.2371, 0.2520, 0.1290



12.9399, 0.3521, 0.3038



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.



16.6851, 0.4963, 0.2722



22.3205, 0.5515, 0.2833



18.3477, 0.5677, 0.3509



12.4917, 0.3237, 0.3209



8.9639, 0.5566, 0.2840



0.5561, 0.5082, 0.2573

Inverse Universe

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



16.6851, 0.4963, 0.2722



22.3205, 0.5515, 0.2833



40.6670, 0.2188, 0.2909



12.4917, 0.3237, 0.3209



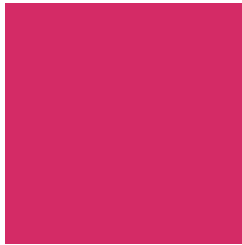
8.9639, 0.5566, 0.2840



0.5561, 0.5082, 0.2573

Previews

White Background



This preview shows how the Yxy color 16.6841, 0.4963, 0.2722 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 16.6841, 0.4963, 0.2722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

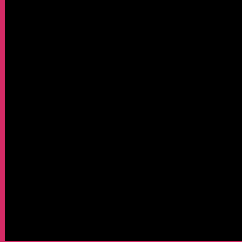
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6841, 0.4963, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 16.6841, 0.4963, 0.2722.



This preview shows how white text looks on a background with the Yxy color 16.6841, 0.4963, 0.2722.

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

16.6841, 0.4963, 0.2722

Protanopia

16.9255, 0.2784, 0.2793

Deuteranopia

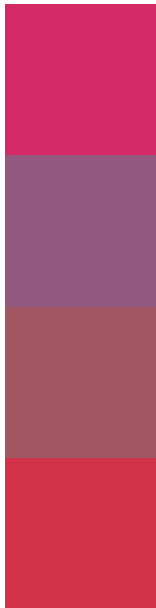
16.8655, 0.3647, 0.3594



Tritanopia

16.7294, 0.5624, 0.3280

Trichromacy



Original Color

16.6841, 0.4963, 0.2722

Protanomaly

14.5968, 0.3458, 0.2642

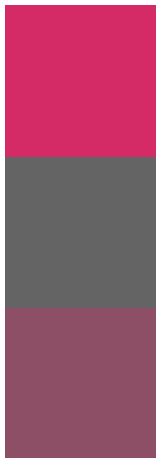
Deuteranomaly

15.0957, 0.4167, 0.3116

Tritanomaly

16.6976, 0.5424, 0.3096

Monochromacy



Original Color

16.6841, 0.4963, 0.2722

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.1943, 0.3828, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6841, 0.4963, 0.2722 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(212, 43, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 43, 102) }
```

Border

The CSS property to change the border of an element to Yxy 16.6841, 0.4963, 0.2722 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, 102) }
```

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

```
.border{ border-color:rgb(212, 43, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 43, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 43, 102);  
box-shadow:4px 4px 4px 4px rgb(212, 43,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6841, 0.4963, 0.2722 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, 102) }
```

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

```
.background{ background-color: rgb(212, 43,  
102) }
```

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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