

Converting Colors

$Y_{xy}(16.5409, 0.5085, 0.2575)$

Have a look what the booklet for
Yxy(16.5409, 0.5085, 0.2575)
contains.

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Color

Yxy(16.5702, 0.5081, 0.2573)

Conversions

Conversions Part 1

Format	Color
Hex	DE006A
RGB	222, 0, 106
RGB Percent	87%, 0%, 42%
CMY	0.1295, 0.9993, 0.5843
CMYK	0.00, 1.00, 0.52, 0.13
HSL	331°, 100%, 44%
HSV	331°, 100%, 87%
XYZ	32.7218, 16.5702, 15.1083
YIQ	78.4620, 98.2860, 80.0300

Conversions

Conversions Part 2

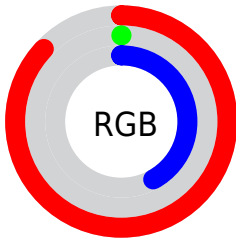
Format	Color
R_{YB}	222, 0, 106
Decimal	14549098
CIE _{Lab}	47.71, 75.80, 6.31
CIE _{LCh}	48, 76.065, 4.758
Yxy	16.5702, 0.5081, 0.2573
Android (android.graphics.Color)	4292739178 (0xFFDE006A)
YUV	78.4620, 13.5762, 125.8828
Hunter-Lab	40.7065, 72.2503, 6.4889

Details

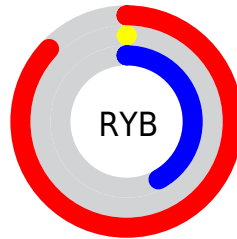
The Yxy color **16.5702, 0.5081, 0.2573** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **53.4994, 0.2708, 0.4947**, and the grayscale version is **7.6895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3486, 0.4344, 0.2662**, and **7.7893, 0.5477, 0.2791** is the 20% darker color. If you saturate the color by 10%, you get **16.5656, 0.5083, 0.2574**, and if you desaturate by 10%, it is **17.4136, 0.4831, 0.2499**.

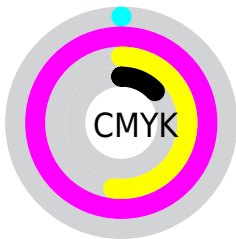
Distribution



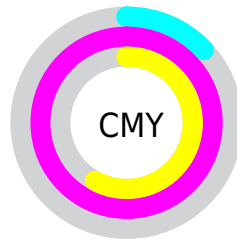
- Red (87%)
- Green (0%)
- Blue (42%)



- Red (87%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5702, 0.5081, 0.2573 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 16.5702, 0.5081, 0.2573 by changing the saturation by 10% instead.


 16.5702, 0.5081,
0.2573


 16.5702, 0.5081,
0.2573


232.6832, 0.3952,
0.3005

 9.9285, 0.5417,
0.2437


 37.5853, 0.4631,
0.2750


 5.3516, 0.5878,
0.2243

 52.7275, 0.4475,
0.2810

 2.4550, 0.6540,
0.1953

 71.4721, 0.4347,
0.2859

 0.8540, 0.7616,
0.1516

 94.2033, 0.4241,
0.2898

 0.0000, 1.0000,
0.0000

 121.3057, 0.4152,
0.2932

 0.0000, 0.0000,
0.0000

 153.1635, 0.4075,

0.2960

190.1612, 0.4010,
0.2984

■ 16.5702, 0.5081,
0.2573

■ 16.5702, 0.5081,
0.2573

■ 16.5656, 0.5083,
0.2574

■ 17.4136, 0.4831,
0.2499

■ 18.9616, 0.4569,
0.2474

■ 21.4313, 0.4309,
0.2502

■ 24.9470, 0.4062,
0.2573

■ 29.6132, 0.3840,
0.2674

■ 35.5218, 0.3645,
0.2793

■ 42.7552, 0.3479,
0.2920

■ 51.3887, 0.3339,
0.3048

■ 61.4919, 0.3223,
0.3173

Harmonies

Analogous

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



16.5702, 0.3557, 0.1914



16.5702, 0.5081, 0.2573



16.5702, 0.5861, 0.3334

Triad

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



16.5702, 0.5081, 0.2573



16.5702, 0.3430, 0.6043



16.5702, 0.1029, 0.1578

Complementary

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



16.5702, 0.5081, 0.2573



53.4994, 0.2708, 0.4947

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.



16.5702, 0.0997, 0.2277



16.5702, 0.5081, 0.2573



16.5702, 0.2246, 0.5614

Square

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



16.5702, 0.5081, 0.2573



16.5702, 0.4632, 0.5225



16.5702, 0.1362, 0.3776



16.5702, 0.1399, 0.1375

Rectangle

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



16.5702, 0.5081, 0.2573



16.5702, 0.5765, 0.3888



16.5702, 0.1362, 0.3776



16.5702, 0.0982, 0.1742

Sweetspot

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



16.5712, 0.5081, 0.2573



58.2063, 0.3483, 0.2916



8.9063, 0.2045, 0.0901



11.5143, 0.3551, 0.2862



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.



16.5712, 0.5081, 0.2573



22.6567, 0.5100, 0.2583



15.6113, 0.6390, 0.3307



13.8089, 0.3218, 0.3179



9.8635, 0.5049, 0.2555



0.7017, 0.4691, 0.2358

Inverse Universe

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



16.5712, 0.5081, 0.2573



22.6567, 0.5100, 0.2583



55.5656, 0.2232, 0.3236



13.8089, 0.3218, 0.3179



9.8635, 0.5049, 0.2555



0.7017, 0.4691, 0.2358

Previews

White Background



This preview shows how the Yxy color 16.5702, 0.5081, 0.2573 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 16.5702, 0.5081, 0.2573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

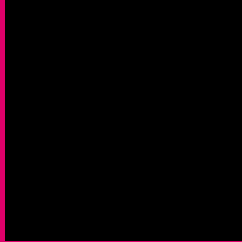
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5702, 0.5081, 0.2573

Background



This preview shows how black text looks on a background with the Yxy color 16.5702, 0.5081, 0.2573.



This preview shows how white text looks on a background with the Yxy color 16.5702, 0.5081, 0.2573.

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

16.5702, 0.5081, 0.2573

Protanopia

17.2776, 0.2597, 0.2567

Deuteranopia

17.2185, 0.3616, 0.3554



Tritanopia

16.8832, 0.5951, 0.3298

Trichromacy



Original Color

16.5702, 0.5081, 0.2573



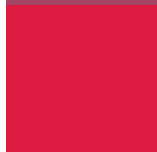
Protanomaly

12.7457, 0.3346, 0.2261



Deuteranomaly

13.4259, 0.4262, 0.2851



Tritanomaly

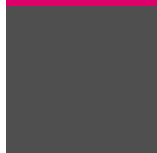
16.3812, 0.5739, 0.3046

Monochromacy



Original Color

16.5702, 0.5081, 0.2573



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.8278, 0.4041, 0.2571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5702, 0.5081, 0.2573 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(222, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 106)  
}
```

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(222, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 106) }
```

Border

The CSS property to change the border of an element to Yxy 16.5702, 0.5081, 0.2573 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(222, 0, 106) }
```

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

```
.border{ border-color:rgb(222, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5702, 0.5081, 0.2573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 106) }
```

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

```
.background{ background-color: rgb(222, 0,  
106) }
```

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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