

Converting Colors

$Y_{xy}(16.2626, 0.5364, 0.2729)$

Have a look what the booklet for
Yxy(16.2626, 0.5364, 0.2729)
contains.

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Color

Yxy(16.2849, 0.5367, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	DE005B
RGB	222, 0, 91
RGB Percent	87%, 0%, 36%
CMY	0.1294, 1.0000, 0.6432
CMYK	0.00, 1.00, 0.59, 0.13
HSL	335°, 100%, 44%
HSV	335°, 100%, 87%
XYZ	32.0150, 16.2849, 11.3517
YIQ	76.7520, 103.1010, 75.3650

Conversions

Conversions Part 2

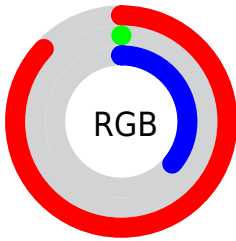
Format	Color
RYB	222, 0, 91
Decimal	14549083
CIELab	47.35, 74.85, 15.09
CIElCh	47, 76.352, 11.396
Yxy	16.2849, 0.5367, 0.2730
Android (android.graphics.Color)	4292739163 (0xFFDE005B)
YUV	76.7520, 7.0243, 127.3825
Hunter-Lab	40.3546, 70.9914, 11.5700

Details

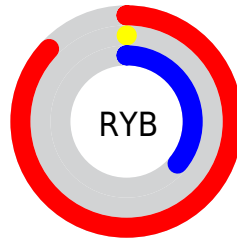
The Yxy color **16.2849, 0.5367, 0.2730** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **53.8880, 0.2642, 0.4711**, and the grayscale version is **7.3458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6653, 0.4570, 0.2815**, and **7.5682, 0.5772, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **16.2867, 0.5367, 0.2730**, and if you desaturate by 10%, it is **17.1144, 0.5086, 0.2644**.

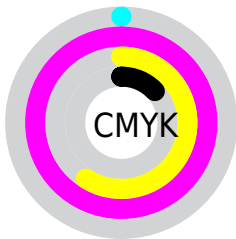
Distribution



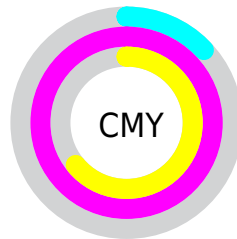
- Red (87%)
- Green (0%)
- Blue (36%)



- Red (87%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2849, 0.5367, 0.2730 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 16.2849, 0.5367, 0.2730 by changing the saturation by 10% instead.


 16.2849, 0.5367,
0.2730


 16.2849, 0.5367,
0.2730


231.0170, 0.4067,
0.3102


 9.7260, 0.5750,
0.2598


 37.0921, 0.4850,
0.2892


 5.2177, 0.6270,
0.2401

 52.1092, 0.4669,
0.2945


 2.3755, 0.6994,
0.2092

 70.7144, 0.4522,
0.2985

 0.8133, 0.8348,
0.1652

 93.2922, 0.4399,
0.3018

 0.0000, 1.0000,
0.0000

 120.2270, 0.4296,
0.3045

 0.0000, 0.0000,
0.0000

 151.9031, 0.4209,

0.3067

188.7050, 0.4133,
0.3086

■ 16.2849, 0.5367,
0.2730

■ 16.2849, 0.5367,
0.2730

■ 16.2867, 0.5367,
0.2730

■ 17.1144, 0.5086,
0.2644

■ 18.6519, 0.4786,
0.2605

■ 21.1185, 0.4482,
0.2618

■ 24.6391, 0.4196,
0.2673

■ 29.3190, 0.3937,
0.2758

■ 35.2506, 0.3713,
0.2860

■ 42.5169, 0.3523,
0.2970

■ 51.1938, 0.3365,
0.3081

■ 61.3513, 0.3235,
0.3189

Harmonies

Analogous

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



16.2849, 0.3914, 0.2034



16.2849, 0.5367, 0.2730



16.2849, 0.5900, 0.3506

Triad

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



16.2849, 0.5367, 0.2730



16.2849, 0.3154, 0.6128



16.2849, 0.1068, 0.1488

Complementary

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



16.2849, 0.5367, 0.2730



53.8880, 0.2642, 0.4711

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.



16.2849, 0.0962, 0.2052



16.2849, 0.5367, 0.2730



16.2849, 0.1999, 0.5296

Square

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



16.2849, 0.5367, 0.2730



16.2849, 0.4378, 0.5463



16.2849, 0.1224, 0.3368



16.2849, 0.1524, 0.1364

Rectangle

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



16.2849, 0.5367, 0.2730



16.2849, 0.5659, 0.4084



16.2849, 0.1224, 0.3368



16.2849, 0.0997, 0.1615

Sweetspot

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



16.2867, 0.5367, 0.2730



57.9460, 0.3527, 0.2968



9.9815, 0.2184, 0.0977



11.4531, 0.3604, 0.2921



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.



16.2867, 0.5367, 0.2730



22.2699, 0.5386, 0.2741



15.9805, 0.6348, 0.3342



13.7932, 0.3228, 0.3194



9.6936, 0.5329, 0.2709



0.6894, 0.4927, 0.2488

Inverse Universe

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



16.2867, 0.5367, 0.2730



22.2699, 0.5386, 0.2741



48.2281, 0.2173, 0.3024



13.7932, 0.3228, 0.3194



9.6936, 0.5329, 0.2709



0.6894, 0.4927, 0.2488

Previews

White Background



This preview shows how the Yxy color 16.2849, 0.5367, 0.2730 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 16.2849, 0.5367, 0.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

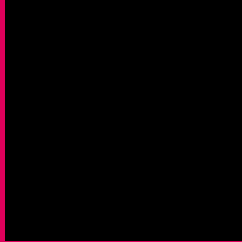
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2849, 0.5367, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 16.2849, 0.5367, 0.2730.



This preview shows how white text looks on a background with the Yxy color 16.2849, 0.5367, 0.2730.

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

16.2849, 0.5367, 0.2730

Protanopia

16.8832, 0.2871, 0.2904

Deuteranopia

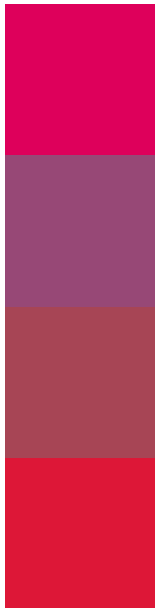
16.7807, 0.3875, 0.3793



Tritanopia

16.5987, 0.6061, 0.3304

Trichromacy



Original Color

16.2849, 0.5367, 0.2730

Protanomaly

12.5220, 0.3710, 0.2532

Deuteranomaly

13.1276, 0.4591, 0.3059

Tritanomaly

16.2608, 0.5903, 0.3115

Monochromacy



Original Color

16.2849, 0.5367, 0.2730

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.5516, 0.4195, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2849, 0.5367, 0.2730 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, 91)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 91) }
```

Border

The CSS property to change the border of an element to Yxy 16.2849, 0.5367, 0.2730 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, 91) }
```

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

```
.border{ border-color:rgb(222, 0, 91) }
```

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, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2849, 0.5367, 0.2730 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, 91) }
```

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

```
.background{ background-color: rgb(222, 0,  
91) }
```

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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