

Converting Colors

$Yxy(16.1038, 0.5543, 0.2827)$

Have a look what the booklet for
Yxy(16.1038, 0.5543, 0.2827)
contains.

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Color

Yxy(16.1237, 0.5549, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	DE0051
RGB	222, 0, 81
RGB Percent	87%, 0%, 32%
CMY	0.1295, 0.9991, 0.6824
CMYK	0.00, 1.00, 0.64, 0.13
HSL	338°, 100%, 44%
HSV	338°, 100%, 87%
XYZ	31.6038, 16.1237, 9.2266
YIQ	75.6120, 106.3110, 72.2550

Conversions

Conversions Part 2

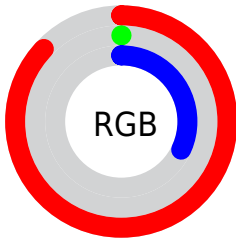
Format	Color
RYB	222, 0, 81
Decimal	14549073
CIELab	47.14, 74.25, 21.01
CIELCh	47, 77.170, 15.798
Yxy	16.1237, 0.5549, 0.2831
Android (android.graphics.Color)	4292739153 (0xFFDE0051)
YUV	75.6120, 2.6563, 128.3823
Hunter-Lab	40.1543, 70.2199, 14.4845

Details

The Yxy color **16.1237, 0.5549, 0.2831** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **54.1620, 0.2596, 0.4543**, and the grayscale version is **7.1567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3539, 0.4723, 0.2925**, and **7.5045, 0.5957, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **16.1177, 0.5552, 0.2832**, and if you desaturate by 10%, it is **16.9441, 0.5253, 0.2740**.

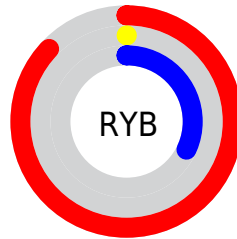
Distribution



Red (87%)

Green (0%)

Blue (32%)



Red (87%)

Yellow (0%)

Blue (32%)

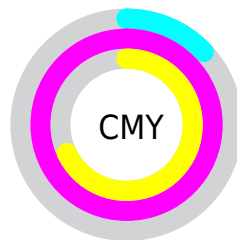


Cyan (0%)

Magenta (100%)

Yellow (64%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1237, 0.5549, 0.2831 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 16.1237, 0.5549, 0.2831 by changing the saturation by 10% instead.


 16.1237, 0.5549,
0.2831


 16.1237, 0.5549,
0.2831


230.0705, 0.4144,
0.3167


 9.6117, 0.5956,
0.2699


 36.8128, 0.4993,
0.2986

 5.1423, 0.6500,
0.2496

 51.7588, 0.4798,
0.3034

 2.3310, 0.7265,
0.2177

 70.2848, 0.4638,
0.3070

 0.7900, 0.8352,
0.1648

 92.7754, 0.4505,
0.3098

 0.0000, 1.0000,
0.0000

 119.6148, 0.4393,
0.3121

 0.0000, 0.0000,
0.0000

 151.1876, 0.4298,

0.3139

187.8780, 0.4216,
0.3154

■ 16.1237, 0.5549,
0.2831

■ 16.1237, 0.5549,
0.2831

■ 16.1177, 0.5552,
0.2832

■ 16.9441, 0.5253,
0.2740

■ 18.4825, 0.4928,
0.2694

■ 20.9568, 0.4597,
0.2698

■ 24.4920, 0.4283,
0.2744

■ 29.1937, 0.4001,
0.2818

■ 35.1547, 0.3757,
0.2908

■ 42.4581, 0.3551,
0.3006

■ 51.1800, 0.3381,
0.3105

■ 61.3909, 0.3241,
0.3201

Harmonies

Analogous

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



16.1237, 0.4163, 0.2114



16.1237, 0.5549, 0.2831



16.1237, 0.5911, 0.3620

Triad

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



16.1237, 0.5549, 0.2831



16.1237, 0.2964, 0.6167



16.1237, 0.1094, 0.1429

Complementary

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



16.1237, 0.5549, 0.2831



54.1620, 0.2596, 0.4543

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.



16.1237, 0.0939, 0.1913



16.1237, 0.5549, 0.2831



16.1237, 0.1834, 0.5060

Square

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



16.1237, 0.5549, 0.2831



16.1237, 0.4202, 0.5626



16.1237, 0.1137, 0.3111



16.1237, 0.1612, 0.1357

Rectangle

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



16.1237, 0.5549, 0.2831



16.1237, 0.5580, 0.4221



16.1237, 0.1137, 0.3111



16.1237, 0.1007, 0.1534

Sweetspot

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



16.1247, 0.5549, 0.2831



57.7738, 0.3558, 0.3003



10.9113, 0.2298, 0.1040



11.4127, 0.3641, 0.2961



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.



16.1247, 0.5549, 0.2831



22.0478, 0.5571, 0.2843



16.4446, 0.6293, 0.3384



13.7826, 0.3235, 0.3205



9.5953, 0.5513, 0.2811



0.6819, 0.5089, 0.2577

Inverse Universe

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



16.1247, 0.5549, 0.2831



22.0478, 0.5571, 0.2843



43.1541, 0.2127, 0.2858



13.7826, 0.3235, 0.3205



9.5953, 0.5513, 0.2811



0.6819, 0.5089, 0.2577

Previews

White Background



This preview shows how the Yxy color 16.1237, 0.5549, 0.2831 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 16.1237, 0.5549, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

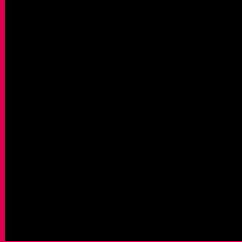
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1237, 0.5549, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 16.1237, 0.5549, 0.2831.



This preview shows how white text looks on a background with the Yxy color 16.1237, 0.5549, 0.2831.

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

16.1237, 0.5549, 0.2831

Protanopia

16.7196, 0.3068, 0.3171

Deuteranopia

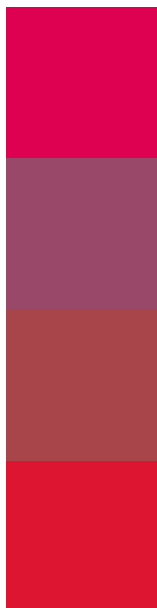
16.7106, 0.4036, 0.3986



Tritanopia

16.3971, 0.6121, 0.3313

Trichromacy



Original Color

16.1237, 0.5549, 0.2831

Protanomaly

12.4270, 0.3979, 0.2747

Deuteranomaly

13.0891, 0.4792, 0.3209

Tritanomaly

16.1302, 0.5987, 0.3152

Monochromacy



Original Color

16.1237, 0.5549, 0.2831

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.3311, 0.4280, 0.2732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1237, 0.5549, 0.2831 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 81) }
```

Border

The CSS property to change the border of an element to Yxy 16.1237, 0.5549, 0.2831 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, 81) }
```

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

```
.border{ border-color:rgb(222, 0, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1237, 0.5549, 0.2831 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, 81) }
```

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

```
.background{ background-color: rgb(222, 0,  
81) }
```

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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