

Converting Colors

$Yxy(16.1349, 0.5507, 0.2807)$

Have a look what the booklet for
Yxy(16.1349, 0.5507, 0.2807)
contains.

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Color

Yxy(16.1541, 0.5513, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	DE0053
RGB	222, 0, 83
RGB Percent	87%, 0%, 33%
CMY	0.1295, 0.9993, 0.6745
CMYK	0.00, 1.00, 0.63, 0.13
HSL	338°, 100%, 44%
HSV	338°, 100%, 87%
XYZ	31.6818, 16.1541, 9.6315
YIQ	75.8400, 105.6690, 72.8770

Conversions

Conversions Part 2

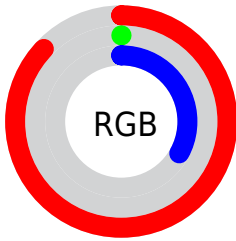
Format	Color
RYB	222, 0, 83
Decimal	14549075
CIELab	47.18, 74.37, 19.81
CIELCh	47, 76.962, 14.917
Yxy	16.1541, 0.5513, 0.2811
Android (android.graphics.Color)	4292739155 (0xFFDE0053)
YUV	75.8400, 3.5299, 128.1823
Hunter-Lab	40.1922, 70.3678, 13.9264

Details

The Yxy color **16.1541, 0.5513, 0.2811** 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 **54.1033, 0.2605, 0.4577**, and the grayscale version is **7.1932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4081, 0.4696, 0.2905**, and **7.5174, 0.5918, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **16.1499, 0.5515, 0.2812**, and if you desaturate by 10%, it is **16.9762, 0.5220, 0.2721**.

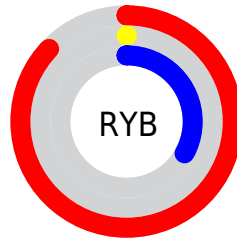
Distribution



Red (87%)

Green (0%)

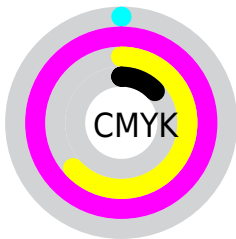
Blue (33%)



Red (87%)

Yellow (0%)

Blue (33%)

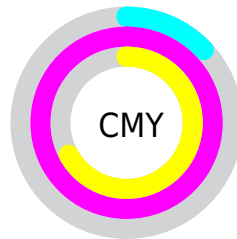


Cyan (0%)

Magenta (100%)

Yellow (63%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1541, 0.5513, 0.2811 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 16.1541, 0.5513, 0.2811 by changing the saturation by 10% instead.


 16.1541, 0.5513,
0.2811


 16.1541, 0.5513,
0.2811


230.2493, 0.4129,
0.3154


 9.6333, 0.5916,
0.2679


 36.8655, 0.4965,
0.2967


 5.1565, 0.6456,
0.2478

 51.8249, 0.4772,
0.3016

 2.3394, 0.7208,
0.2159

 70.3659, 0.4614,
0.3053

 0.7944, 0.8351,
0.1649

 92.8730, 0.4484,
0.3082

 0.0000, 1.0000,
0.0000

 119.7304, 0.4374,
0.3106

 0.0000, 0.0000,
0.0000

 151.3227, 0.4280,

0.3125

188.0342, 0.4199,
0.3140

■ 16.1541, 0.5513,
0.2811

■ 16.1541, 0.5513,
0.2811

■ 16.1499, 0.5515,
0.2812

■ 16.9762, 0.5220,
0.2721

■ 18.5143, 0.4900,
0.2676

■ 20.9867, 0.4574,
0.2682

■ 24.5185, 0.4266,
0.2729

■ 29.2153, 0.3988,
0.2805

■ 35.1697, 0.3748,
0.2899

■ 42.4650, 0.3546,
0.2999

■ 51.1770, 0.3378,
0.3100

■ 61.3762, 0.3240,
0.3198

Harmonies

Analogous

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



16.1541, 0.4112, 0.2098



16.1541, 0.5513, 0.2811



16.1541, 0.5910, 0.3597

Triad

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



16.1541, 0.5513, 0.2811



16.1541, 0.3003, 0.6160



16.1541, 0.1089, 0.1441

Complementary

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



16.1541, 0.5513, 0.2811



54.1033, 0.2605, 0.4577

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.



16.1541, 0.0944, 0.1941



16.1541, 0.5513, 0.2811



16.1541, 0.1867, 0.5109

Square

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



16.1541, 0.5513, 0.2811



16.1541, 0.4238, 0.5593



16.1541, 0.1154, 0.3162



16.1541, 0.1594, 0.1358

Rectangle

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



16.1541, 0.5513, 0.2811



16.1541, 0.5596, 0.4193



16.1541, 0.1154, 0.3162



16.1541, 0.1005, 0.1550

Sweetspot

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



16.1551, 0.5513, 0.2811



57.8084, 0.3552, 0.2996



10.5911, 0.2259, 0.1019



11.4208, 0.3634, 0.2953



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.



16.1551, 0.5513, 0.2811



22.0903, 0.5534, 0.2822



16.2681, 0.6313, 0.3368



13.7848, 0.3234, 0.3203



9.6141, 0.5477, 0.2791



0.6834, 0.5056, 0.2559

Inverse Universe

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



16.1551, 0.5513, 0.2811



22.0903, 0.5534, 0.2822



44.8012, 0.2143, 0.2914



13.7848, 0.3234, 0.3203



9.6141, 0.5477, 0.2791



0.6834, 0.5056, 0.2559

Previews

White Background



This preview shows how the Yxy color 16.1541, 0.5513, 0.2811 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 16.1541, 0.5513, 0.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

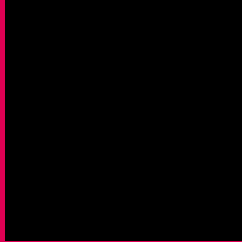
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1541, 0.5513, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 16.1541, 0.5513, 0.2811.



This preview shows how white text looks on a background with the Yxy color 16.1541, 0.5513, 0.2811.

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

16.1541, 0.5513, 0.2811

Protanopia

16.7681, 0.3044, 0.3132

Deuteranopia

16.7367, 0.4010, 0.3951



Tritanopia

16.4023, 0.6113, 0.3309

Trichromacy



Original Color

16.1541, 0.5513, 0.2811



Protanomaly

12.4686, 0.3942, 0.2714



Deuteranomaly

13.1169, 0.4755, 0.3180



Tritanomaly

16.1388, 0.5975, 0.3145

Monochromacy



Original Color

16.1541, 0.5513, 0.2811



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.3455, 0.4255, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1541, 0.5513, 0.2811 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, 83)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 83) }
```

Border

The CSS property to change the border of an element to Yxy 16.1541, 0.5513, 0.2811 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, 83) }
```

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

```
.border{ border-color:rgb(222, 0, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1541, 0.5513, 0.2811 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, 83) }
```

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

```
.background{ background-color: rgb(222, 0,  
83) }
```

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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