

Converting Colors

$Y_{xy}(15.4032, 0.5396, 0.2746)$

Have a look what the booklet for
Yxy(15.4032, 0.5396, 0.2746)
contains.

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Color

Yxy(15.4398, 0.5400, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	D90057
RGB	217, 0, 87
RGB Percent	85%, 0%, 34%
CMY	0.1491, 0.9990, 0.6589
CMYK	0.00, 1.00, 0.60, 0.15
HSL	336°, 100%, 43%
HSV	336°, 100%, 85%
XYZ	30.3292, 15.4398, 10.3962
YIQ	74.8010, 101.4050, 73.0610

Conversions

Conversions Part 2

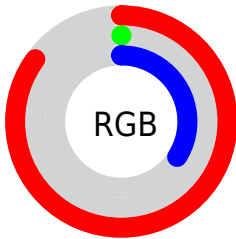
Format	Color
R_{YB}	217, 0, 87
Decimal	14221399
CIE _{Lab}	46.23, 73.44, 15.88
CIE _{LCh}	46, 75.135, 12.204
Yxy	15.4398, 0.5400, 0.2749
Android (android.graphics.Color)	4292411479 (0xFFD90057)
YUV	74.8010, 6.0141, 124.7085
Hunter-Lab	39.2935, 69.0138, 11.8187

Details

The Yxy color **15.4398, 0.5400, 0.2749** 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 **51.2308, 0.2631, 0.4672**, and the grayscale version is **6.9992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3499, 0.4644, 0.2857**, and **7.0444, 0.5800, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **15.4330, 0.5403, 0.2750**, and if you desaturate by 10%, it is **16.2393, 0.5115, 0.2663**.

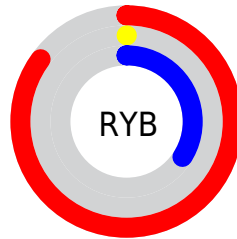
Distribution



Red (85%)

Green (0%)

Blue (34%)



Red (85%)

Yellow (0%)

Blue (34%)

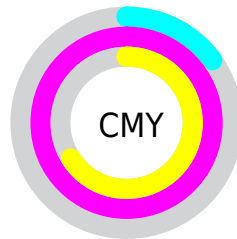


Cyan (0%)

Magenta (100%)

Yellow (60%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4398, 0.5400, 0.2749 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 15.4398, 0.5400, 0.2749 by changing the saturation by 10% instead.


 15.4398, 0.5400,
0.2749


 15.4398, 0.5400,
0.2749


226.0130, 0.4071,
0.3116


 9.1286, 0.5796,
0.2614


 35.6229, 0.4869,
0.2912


 4.8252, 0.6334,
0.2411


 50.2636, 0.4684,
0.2963

 2.1451, 0.7088,
0.2088


 68.4496, 0.4533,
0.3003

 0.6898, 0.8424,
0.1576

 90.5653, 0.4408,
0.3035

 0.0000, 1.0000,
0.0000

 116.9951, 0.4304,
0.3061

 0.0000, 0.0000,
0.0000

 148.1234, 0.4215,

0.3083

184.3346, 0.4138,
0.3101

■ 15.4398, 0.5400,
0.2749

■ 15.4398, 0.5400,
0.2749

■ 15.4330, 0.5403,
0.2750

■ 16.2393, 0.5115,
0.2663

■ 17.7148, 0.4809,
0.2623

■ 20.0741, 0.4501,
0.2635

■ 23.4348, 0.4209,
0.2689

■ 27.8965, 0.3947,
0.2772

■ 33.5463, 0.3719,
0.2872

■ 40.4627, 0.3527,
0.2979

■ 48.7173, 0.3367,
0.3088

■ 58.3764, 0.3235,
0.3192

Harmonies

Analogous

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



15.4398, 0.3959, 0.2049



15.4398, 0.5400, 0.2749



15.4398, 0.5902, 0.3527

Triad

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



15.4398, 0.5400, 0.2749



15.4398, 0.3120, 0.6135



15.4398, 0.1074, 0.1477

Complementary

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



15.4398, 0.5400, 0.2749



51.2308, 0.2631, 0.4672

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.



15.4398, 0.0959, 0.2026



15.4398, 0.5400, 0.2749



15.4398, 0.1969, 0.5254

Square

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



15.4398, 0.5400, 0.2749



15.4398, 0.4349, 0.5495



15.4398, 0.1209, 0.3321



15.4398, 0.1540, 0.1364

Rectangle

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



15.4398, 0.5400, 0.2749



15.4398, 0.5645, 0.4109



15.4398, 0.1209, 0.3321



15.4398, 0.0999, 0.1600

Sweetspot

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



15.4408, 0.5400, 0.2749



57.9095, 0.3534, 0.2975



9.5004, 0.2187, 0.0979



11.4445, 0.3612, 0.2929



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.



15.4408, 0.5400, 0.2749



22.2205, 0.5426, 0.2762



15.1906, 0.6345, 0.3343



13.1375, 0.3229, 0.3197



9.3646, 0.5366, 0.2730



0.6234, 0.4935, 0.2492

Inverse Universe

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



15.4408, 0.5400, 0.2749



22.2205, 0.5426, 0.2762



45.8161, 0.2174, 0.3025



13.1375, 0.3229, 0.3197



9.3646, 0.5366, 0.2730



0.6234, 0.4935, 0.2492

Previews

White Background



This preview shows how the Yxy color 15.4398, 0.5400, 0.2749 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 15.4398, 0.5400, 0.2749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

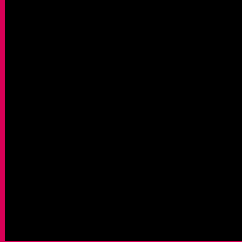
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4398, 0.5400, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 15.4398, 0.5400, 0.2749.

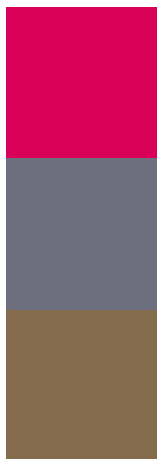


This preview shows how white text looks on a background with the Yxy color 15.4398, 0.5400, 0.2749.

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

15.4398, 0.5400, 0.2749

Protanopia

16.1524, 0.2912, 0.2973

Deuteranopia

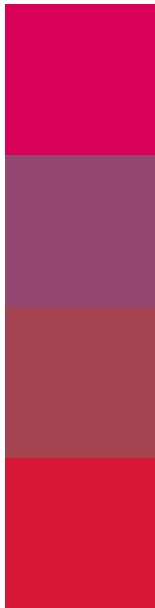
16.0520, 0.3900, 0.3840



Tritanopia

15.7589, 0.6069, 0.3310

Trichromacy



Original Color

15.4398, 0.5400, 0.2749

Protanomaly

11.9722, 0.3773, 0.2598

Deuteranomaly

12.6208, 0.4633, 0.3100

Tritanomaly

15.4298, 0.5911, 0.3118

Monochromacy



Original Color

15.4398, 0.5400, 0.2749

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.1904, 0.4218, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4398, 0.5400, 0.2749 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(217, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 87)  
}
```

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(217, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 87) }
```

Border

The CSS property to change the border of an element to Yxy 15.4398, 0.5400, 0.2749 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(217, 0, 87) }
```

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

```
.border{ border-color:rgb(217, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4398, 0.5400, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 87) }
```

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

```
.background{ background-color: rgb(217, 0,  
87) }
```

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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