

Converting Colors

$Yxy(16.9505, 0.5292, 0.2861)$

Have a look what the booklet for
Yxy(16.9505, 0.5292, 0.2861)
contains.

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Color

Yxy(16.9331, 0.5301, 0.2864)

Conversions

Conversions Part 1

Format	Color
Hex	DA2558
RGB	218, 37, 88
RGB Percent	85%, 15%, 35%
CMY	0.1450, 0.8551, 0.6549
CMYK	0.00, 0.83, 0.60, 0.15
HSL	343°, 71%, 50%
HSV	343°, 83%, 85%
XYZ	31.3416, 16.9331, 10.8492
YIQ	96.9330, 91.5050, 54.2330

Conversions

Conversions Part 2

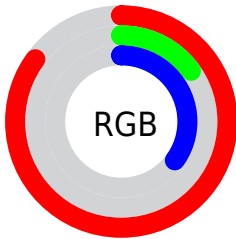
Format	Color
R _Y B	218, 37, 88
Decimal	14296408
CIE Lab	48.18, 68.81, 17.93
CIE LCh	48, 71.111, 14.602
Yxy	16.9331, 0.5301, 0.2864
Android (android.graphics.Color)	4292486488 (0xFFDA2558)
YUV	96.9330, -4.4040, 106.1758
Hunter-Lab	41.1498, 63.9415, 13.1730

Details

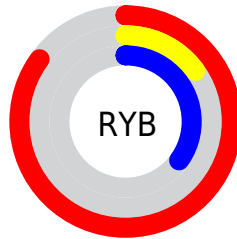
The Yxy color **16.9331, 0.5301, 0.2864** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **53.3364, 0.2500, 0.4063**, and the grayscale version is **11.9262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7955, 0.4558, 0.2950**, and **7.2423, 0.5815, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **15.7274, 0.5645, 0.2932**, and if you desaturate by 10%, it is **19.0049, 0.4926, 0.2841**.

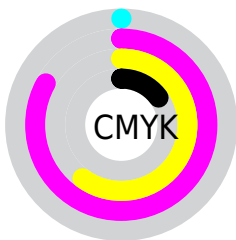
Distribution



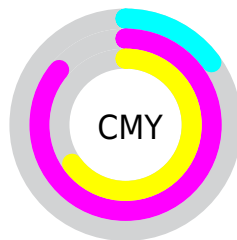
- Red (85%)
- Green (15%)
- Blue (35%)



- Red (85%)
- Yellow (15%)
- Blue (35%)



- Cyan (0%)
- Magenta (83%)
- Yellow (60%)
- Black (15%)





- Cyan (15%)
- Magenta (86%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9331, 0.5301, 0.2864 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 16.9331, 0.5301, 0.2864 by changing the saturation by 10% instead.


 16.9331, 0.5301,
0.2864


 16.9331, 0.5301,
0.2864


234.7866, 0.4042,
0.3164


 10.1868, 0.5671,
0.2749


 38.2107, 0.4801,
0.3000


 5.5230, 0.6173,
0.2574

 53.5108, 0.4626,
0.3042

 2.5573, 0.6871,
0.2289

 72.4310, 0.4483,
0.3075

 0.9052, 0.8131,
0.1869

 95.3556, 0.4364,
0.3101

 0.0000, 1.0000,
0.0000

 122.6691, 0.4264,
0.3121

 0.0000, 0.0000,
0.0000

 154.7558, 0.4179,

0.3138

192.0002, 0.4106,
0.3152

■ 16.9331, 0.5301,
0.2864

■ 16.9331, 0.5301,
0.2864

■ 15.7274, 0.5645,
0.2932

■ 19.0049, 0.4926,
0.2841

■ 15.2508, 0.5852,
0.2997

■ 22.0686, 0.4557,
0.2858

■ 26.2322, 0.4218,
0.2906

■ 31.5887, 0.3923,
0.2971

■ 38.2211, 0.3674,
0.3046

■ 46.2052, 0.3468,
0.3123

■ 55.6105, 0.3300,
0.3198

■ 66.5020, 0.3164,
0.3269

■ 78.9404, 0.3052,
0.3335

Harmonies

Analogous

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



16.9331, 0.4020, 0.2177



16.9331, 0.5301, 0.2864



16.9331, 0.5715, 0.3632

Triad

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



16.9331, 0.5301, 0.2864



16.9331, 0.3083, 0.5893



16.9331, 0.1202, 0.1564

Complementary

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



16.9331, 0.5301, 0.2864



53.3364, 0.2500, 0.4063

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.



16.9331, 0.1069, 0.2063



16.9331, 0.5301, 0.2864



16.9331, 0.1997, 0.4937

Square

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



16.9331, 0.5301, 0.2864



16.9331, 0.4234, 0.5446



16.9331, 0.1295, 0.3214



16.9331, 0.1689, 0.1472

Rectangle

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



16.9331, 0.5301, 0.2864



16.9331, 0.5463, 0.4200



16.9331, 0.1295, 0.3214



16.9331, 0.1122, 0.1675

Sweetspot

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



16.9341, 0.5301, 0.2864



63.2452, 0.3510, 0.3106



14.5689, 0.2621, 0.1308



12.6577, 0.3581, 0.3079



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.



16.9341, 0.5301, 0.2864



21.7264, 0.5873, 0.3009



20.2373, 0.5681, 0.3610



13.1116, 0.3248, 0.3224



9.1507, 0.5814, 0.2977



0.6074, 0.5345, 0.2718

Inverse Universe

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



16.9341, 0.5301, 0.2864



21.7264, 0.5873, 0.3009



37.6127, 0.2120, 0.2703



13.1116, 0.3248, 0.3224



9.1507, 0.5814, 0.2977



0.6074, 0.5345, 0.2718

Previews

White Background



This preview shows how the Yxy color 16.9331, 0.5301, 0.2864 looks on a white background.

Color Contrast Check

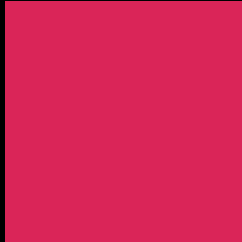
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9331, 0.5301, 0.2864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

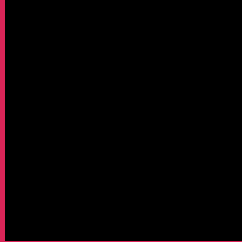
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9331, 0.5301, 0.2864

Background



This preview shows how black text looks on a background with the Yxy color 16.9331, 0.5301, 0.2864.



This preview shows how white text looks on a background with the Yxy color 16.9331, 0.5301, 0.2864.

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

16.9331, 0.5301, 0.2864

Protanopia

17.3364, 0.3033, 0.3134

Deuteranopia

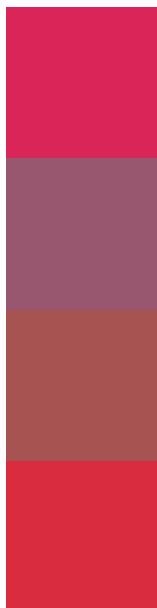
17.1196, 0.3937, 0.3858



Tritanopia

16.9262, 0.5828, 0.3298

Trichromacy



Original Color

16.9331, 0.5301, 0.2864

Protanomaly

14.6176, 0.3808, 0.2903

Deuteranomaly

15.0112, 0.4531, 0.3309

Tritanomaly

16.9120, 0.5665, 0.3150

Monochromacy



Original Color

16.9331, 0.5301, 0.2864

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5030, 0.3978, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9331, 0.5301, 0.2864 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(218, 37, 88)` looks like.

```
.text, #text, p{  
    color:rgb(218, 37, 88)  
}
```

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(218, 37, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 37, 88) }
```

Border

The CSS property to change the border of an element to Yxy 16.9331, 0.5301, 0.2864 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(218, 37, 88) }
```

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

```
.border{ border-color:rgb(218, 37, 88) }
```

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

Here you see how a box with a 4 pixel rgb(218, 37, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 37, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 37, 88);  
box-shadow:4px 4px 4px 4px rgb(218, 37,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9331, 0.5301, 0.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 37, 88) }
```

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

```
.background{ background-color: rgb(218, 37,  
88) }
```

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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