

Converting Colors

$Yxy(16.3815, 0.5375, 0.2963)$

Have a look what the booklet for
Yxy(16.3815, 0.5375, 0.2963)
contains.

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Color

Yxy(16.3812, 0.5375, 0.2963)

Conversions

Conversions Part 1

Format	Color
Hex	D52A50
RGB	213, 42, 80
RGB Percent	84%, 16%, 31%
CMY	0.1647, 0.8352, 0.6862
CMYK	0.00, 0.80, 0.62, 0.16
HSL	347°, 67%, 50%
HSV	347°, 80%, 84%
XYZ	29.7161, 16.3812, 9.1885
YIQ	97.4610, 89.7180, 48.0700

Conversions

Conversions Part 2

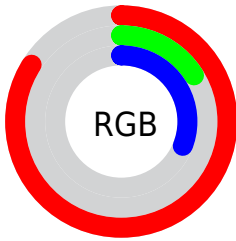
Format	Color
R _Y B	213, 42, 80
Decimal	13970000
CIE Lab	47.47, 65.77, 21.71
CIE LCh	47, 69.264, 18.264
Yxy	16.3812, 0.5375, 0.2963
Android (android.graphics.Color)	4292160080 (0xFFD52A50)
YUV	97.4610, -8.6083, 101.3277
Hunter-Lab	40.4737, 60.2273, 14.8713

Details

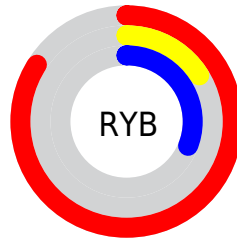
The Yxy color **16.3812, 0.5375, 0.2963** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **51.1739, 0.2454, 0.3866**, and the grayscale version is **12.0813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9481, 0.4667, 0.3060**, and **6.7067, 0.5929, 0.3040** is the 20% darker color. If you saturate the color by 10%, you get **15.0355, 0.5744, 0.3019**, and if you desaturate by 10%, it is **18.5912, 0.4971, 0.2946**.

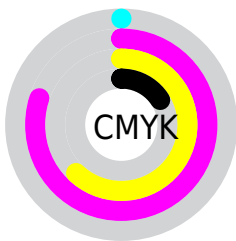
Distribution



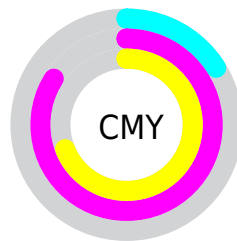
- Red (84%)
- Green (16%)
- Blue (31%)



- Red (84%)
- Yellow (16%)
- Blue (31%)



- Cyan (0%)
- Magenta (80%)
- Yellow (62%)
- Black (16%)




- Cyan (16%)
- Magenta (84%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3812, 0.5375, 0.2963 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 16.3812, 0.5375, 0.2963 by changing the saturation by 10% instead.


 16.3812, 0.5375,
0.2963


 16.3812, 0.5375,
0.2963


231.5807, 0.4068,
0.3220


 9.7943, 0.5759,
0.2853


 37.2587, 0.4855,
0.3087

 5.2628, 0.6277,
0.2678

 52.3182, 0.4673,
0.3123


 2.4023, 0.7020,
0.2393

 70.9705, 0.4525,
0.3151

 0.8271, 0.8105,
0.1895

 93.6003, 0.4402,
0.3172

 0.0000, 1.0000,
0.0000

 120.5918, 0.4298,
0.3188

 0.0000, 0.0000,
0.0000

 152.3294, 0.4210,

0.3201

189.1976, 0.4134,
0.3212

■ 16.3812, 0.5375,
0.2963

■ 16.3812, 0.5375,
0.2963

■ 15.0355, 0.5744,
0.3019

■ 18.5912, 0.4971,
0.2946

■ 14.3534, 0.6034,
0.3098

■ 21.7781, 0.4576,
0.2962


■ 26.0406, 0.4218,
0.3002

■ 31.4644, 0.3910,
0.3055

■ 38.1266, 0.3652,
0.3115

 46.0974, 0.3441,
0.3175

 55.4421, 0.3269,
0.3234

 66.2213, 0.3131,
0.3289

 78.4921, 0.3018,
0.3339

Harmonies

Analogous

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



16.3812, 0.4185, 0.2266



16.3812, 0.5375, 0.2963



16.3812, 0.5666, 0.3736

Triad

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



16.3812, 0.5375, 0.2963



16.3812, 0.2952, 0.5820



16.3812, 0.1260, 0.1553

Complementary

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



16.3812, 0.5375, 0.2963



51.1739, 0.2454, 0.3866

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.



16.3812, 0.1088, 0.1991



16.3812, 0.5375, 0.2963



16.3812, 0.1903, 0.4707

Square

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



16.3812, 0.5375, 0.2963



16.3812, 0.4096, 0.5522



16.3812, 0.1266, 0.3039



16.3812, 0.1793, 0.1501

Rectangle

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



16.3812, 0.5375, 0.2963



16.3812, 0.5361, 0.4311



16.3812, 0.1266, 0.3039



16.3812, 0.1166, 0.1648

Sweetspot

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



16.3822, 0.5375, 0.2963



64.2793, 0.3520, 0.3151



15.3569, 0.2741, 0.1399



12.8477, 0.3597, 0.3129



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.



16.3822, 0.5375, 0.2963



21.8585, 0.5950, 0.3075



21.2288, 0.5476, 0.3712



12.4656, 0.3256, 0.3238



8.7808, 0.6001, 0.3079



0.5423, 0.5508, 0.2808

Inverse Universe

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



16.3822, 0.5375, 0.2963



21.8585, 0.5950, 0.3075



33.0814, 0.2101, 0.2587



12.4656, 0.3256, 0.3238



8.7808, 0.6001, 0.3079



0.5423, 0.5508, 0.2808

Previews

White Background



This preview shows how the Yxy color 16.3812, 0.5375, 0.2963 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 16.3812, 0.5375, 0.2963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

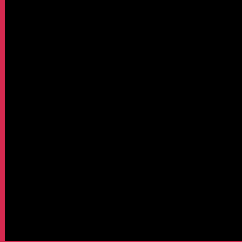
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3812, 0.5375, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 16.3812, 0.5375, 0.2963.



This preview shows how white text looks on a background with the Yxy color 16.3812, 0.5375, 0.2963.

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

16.3812, 0.5375, 0.2963

Protanopia

16.6490, 0.3204, 0.3350

Deuteranopia

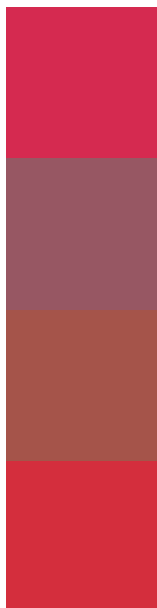
16.4984, 0.4045, 0.3968



Tritanopia

16.4240, 0.5775, 0.3290

Trichromacy



Original Color

16.3812, 0.5375, 0.2963

Protanomaly

14.2966, 0.3978, 0.3087

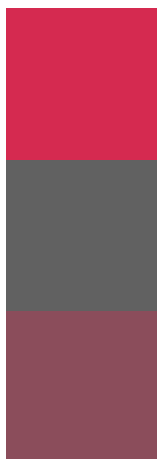
Deuteranomaly

14.8344, 0.4628, 0.3446

Tritanomaly

16.2880, 0.5648, 0.3176

Monochromacy



Original Color

16.3812, 0.5375, 0.2963

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5521, 0.3990, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3812, 0.5375, 0.2963 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(213, 42, 80)` looks like.

```
.text, #text, p{  
  color:rgb(213, 42, 80)  
}
```

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(213, 42, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 42, 80) }
```

Border

The CSS property to change the border of an element to Yxy 16.3812, 0.5375, 0.2963 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(213, 42, 80) }
```

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

```
.border{ border-color:rgb(213, 42, 80) }
```

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

Here you see how a box with a 4 pixel rgb(213, 42, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 42, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 42, 80);  
box-shadow:4px 4px 4px 4px rgb(213, 42,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3812, 0.5375, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 42, 80) }
```

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

```
.background{ background-color: rgb(213, 42,  
80) }
```

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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