

Converting Colors

$Y_{xy}(18.0840, 0.4638, 0.2598)$

Have a look what the booklet for
Yxy(18.0840, 0.4638, 0.2598)
contains.

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Color

Yxy(18.0840, 0.4638, 0.2598)

Conversions

Conversions Part 1

Format	Color
Hex	D63477
RGB	214, 52, 119
RGB Percent	84%, 20%, 47%
CMY	0.1609, 0.7959, 0.5334
CMYK	0.00, 0.76, 0.44, 0.16
HSL	335°, 66%, 52%
HSV	335°, 76%, 84%
XYZ	32.2839, 18.0840, 19.2395
YIQ	108.0760, 75.0450, 55.1810

Conversions

Conversions Part 2

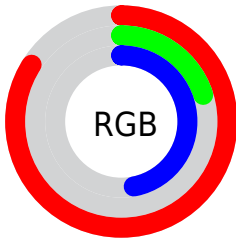
Format	Color
R_{YB}	214, 52, 119
Decimal	14038135
CIE Lab	49.60, 66.11, 0.87
CIE LCh	50, 66.118, 0.754
Yxy	18.0840, 0.4638, 0.2598
Android (android.graphics.Color)	4292228215 (0xFFD63477)
YUV	108.0760, 5.3855, 92.8953
Hunter-Lab	42.5253, 61.0925, 2.9435

Details

The Yxy color **18.0840, 0.4638, 0.2598** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **50.9204, 0.2616, 0.4335**, and the grayscale version is **14.9940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0105, 0.4094, 0.2705**, and **7.3250, 0.5093, 0.2579** is the 20% darker color. If you saturate the color by 10%, you get **16.3045, 0.4940, 0.2612**, and if you desaturate by 10%, it is **20.7706, 0.4343, 0.2632**.

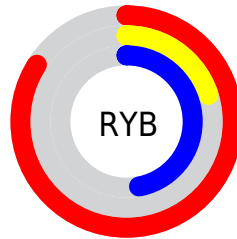
Distribution



Red (84%)

Green (20%)

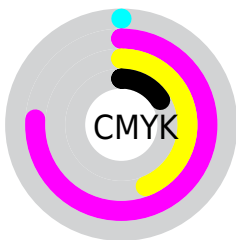
Blue (47%)



Red (84%)

Yellow (20%)

Blue (47%)

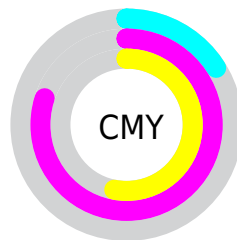


Cyan (0%)

Magenta (76%)

Yellow (44%)

Black (16%)



Cyan (16%)


Magenta (80%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0840, 0.4638, 0.2598 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 18.0840, 0.4638, 0.2598 by changing the saturation by 10% instead.


 18.0840, 0.4638,
0.2598


 18.0840, 0.4638,
0.2598


241.3441, 0.3775,
0.2995


 11.0103, 0.4894,
0.2479


 40.1804, 0.4295,
0.2756


 6.0738, 0.5249,
0.2314

 55.9719, 0.4176,
0.2811

 2.8900, 0.5768,
0.2071

 75.4382, 0.4078,
0.2856

 1.0746, 0.6574,
0.1691

 98.9635, 0.3997,
0.2894

 0.0000, 1.0000,
0.0000

 126.9324, 0.3928,
0.2925

 0.0000, 0.0000,
0.0000

159.7292, 0.3870,

0.2952

197.7383, 0.3819,
0.2975

■ 18.0840, 0.4638,
0.2598

■ 18.0840, 0.4638,
0.2598

■ 16.3045, 0.4940,
0.2612

■ 20.7706, 0.4343,
0.2632

■ 15.2997, 0.5227,
0.2680


■ 24.4662, 0.4071,
0.2703

■ 15.0048, 0.5347,
0.2719

■ 29.2624, 0.3829,
0.2798


■ 35.2394, 0.3623,
0.2905

■ 42.4700, 0.3449,
0.3017

 51.0211, 0.3304,
0.3127

 60.9546, 0.3185,
0.3233

 72.3288, 0.3087,
0.3332

 85.1984, 0.3007,
0.3424

Harmonies

Analogous

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



18.0840, 0.3336, 0.2011



18.0840, 0.4638, 0.2598



18.0840, 0.5449, 0.3310

Triad

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



18.0840, 0.4638, 0.2598



18.0840, 0.3638, 0.5609



18.0840, 0.1221, 0.1848

Complementary

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



18.0840, 0.4638, 0.2598



50.9204, 0.2616, 0.4335

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.



18.0840, 0.1253, 0.2583



18.0840, 0.4638, 0.2598



18.0840, 0.2555, 0.5330

Square

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



18.0840, 0.4638, 0.2598



18.0840, 0.4662, 0.4951



18.0840, 0.1682, 0.3934



18.0840, 0.1525, 0.1590

Rectangle

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



18.0840, 0.4638, 0.2598



18.0840, 0.5496, 0.3822



18.0840, 0.1682, 0.3934



18.0840, 0.1194, 0.2030

Sweetspot

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



18.0850, 0.4638, 0.2598



66.0969, 0.3411, 0.3044



13.4722, 0.2442, 0.1300



13.2225, 0.3468, 0.3003



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.



18.0850, 0.4638, 0.2598



23.1999, 0.5122, 0.2648



18.3846, 0.5620, 0.3413



12.5051, 0.3227, 0.3194



9.0913, 0.5309, 0.2699



0.5646, 0.4861, 0.2452

Inverse Universe

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



18.0850, 0.4638, 0.2598



23.1999, 0.5122, 0.2648



47.1179, 0.2253, 0.3093



12.5051, 0.3227, 0.3194



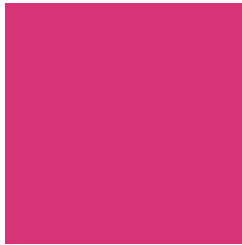
9.0913, 0.5309, 0.2699



0.5646, 0.4861, 0.2452

Previews

White Background



This preview shows how the Yxy color 18.0840, 0.4638, 0.2598 looks on a white background.

Color Contrast Check

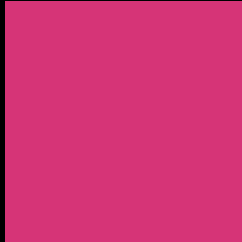
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0840, 0.4638, 0.2598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

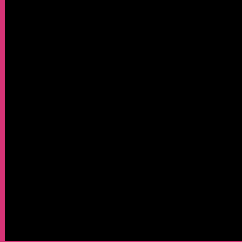
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0840, 0.4638, 0.2598

Background



This preview shows how black text looks on a background with the Yxy color 18.0840, 0.4638, 0.2598.



This preview shows how white text looks on a background with the Yxy color 18.0840, 0.4638, 0.2598.

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

18.0840, 0.4638, 0.2598

Protanopia

18.3170, 0.2589, 0.2551

Deuteranopia

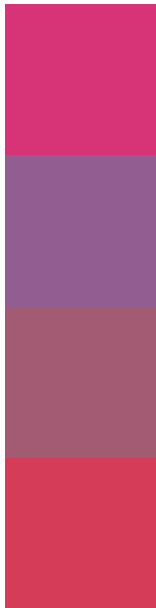
18.1689, 0.3418, 0.3346



Tritanopia

18.0591, 0.5381, 0.3258

Trichromacy



Original Color

18.0840, 0.4638, 0.2598

Protanomaly

15.9533, 0.3194, 0.2450

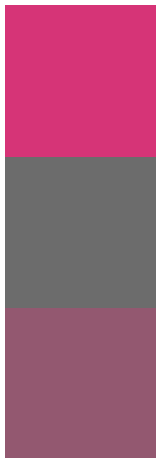
Deuteranomaly

16.3785, 0.3871, 0.2925

Tritanomaly

17.9169, 0.5144, 0.3023

Monochromacy



Original Color

18.0840, 0.4638, 0.2598

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.3523, 0.3695, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0840, 0.4638, 0.2598 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(214, 52, 119)` looks like.

```
.text, #text, p{  
    color:rgb(214, 52, 119)  
}
```

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(214, 52, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 52, 119) }
```

Border

The CSS property to change the border of an element to Yxy 18.0840, 0.4638, 0.2598 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(214, 52, 119) }
```

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

```
.border{ border-color:rgb(214, 52, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 52, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 52, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 52, 119);  
box-shadow:4px 4px 4px 4px rgb(214, 52,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0840, 0.4638, 0.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 52, 119) }
```

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

```
.background{ background-color: rgb(214, 52,  
119) }
```

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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