

Converting Colors

$Y_{xy}(18.9802, 0.4040, 0.2168)$

Have a look what the booklet for
Yxy(18.9802, 0.4040, 0.2168)
contains.

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Color

Yxy(18.9532, 0.4034, 0.2166)

Conversions

Conversions Part 1

Format	Color
Hex	D82E9C
RGB	216, 46, 156
RGB Percent	85%, 18%, 61%
CMY	0.1529, 0.8196, 0.3882
CMYK	0.00, 0.79, 0.28, 0.15
HSL	321°, 69%, 51%
HSV	321°, 79%, 85%
XYZ	35.2988, 18.9532, 33.2512
YIQ	109.3700, 66.0100, 70.2500

Conversions

Conversions Part 2

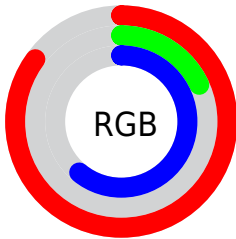
Format	Color
R _Y B	216, 46, 156
Decimal	14167708
CIE _{Lab}	50.63, 72.19, -19.80
CIE _{LCh}	51, 74.857, 344.663
Yxy	18.9532, 0.4034, 0.2166
Android (android.graphics.Color)	4292357788 (0xFFD82E9C)
YUV	109.3700, 22.9886, 93.5145
Hunter-Lab	43.5353, 68.5427, -14.8096

Details

The Yxy color **18.9532, 0.4034, 0.2166** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **50.7379, 0.2802, 0.5025**, and the grayscale version is **15.3222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1150, 0.3629, 0.2300**, and **8.0878, 0.4233, 0.2105** is the 20% darker color. If you saturate the color by 10%, you get **17.4201, 0.4191, 0.2145**, and if you desaturate by 10%, it is **21.3525, 0.3878, 0.2236**.

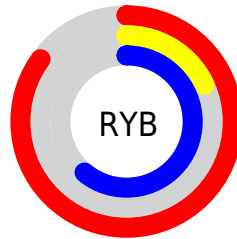
Distribution



Red (85%)

Green (18%)

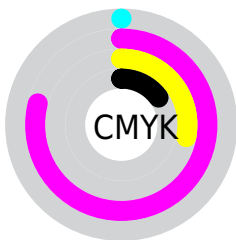
Blue (61%)



Red (85%)

Yellow (18%)

Blue (61%)

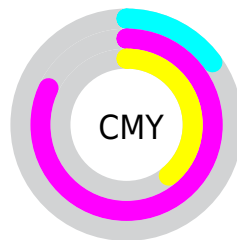


Cyan (0%)

Magenta (79%)

Yellow (28%)

Black (15%)



Cyan (15%)


Magenta (82%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9532, 0.4034, 0.2166 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 18.9532, 0.4034, 0.2166 by changing the saturation by 10% instead.


 18.9532, 0.4034,
0.2166


 18.9532, 0.4034,
0.2166


246.1903, 0.3546,
0.2751

 11.6365, 0.4167,
0.2015


 41.6550, 0.3848,
0.2383

 6.4967, 0.4344,
0.1820


 57.8089, 0.3781,
0.2463


 3.1494, 0.4589,
0.1560


 77.6772, 0.3725,
0.2530

 1.2102, 0.4949,
0.1205

 101.6445, 0.3678,
0.2588

 0.0700, 0.5829,
0.0180

 130.0950, 0.3638,
0.2637

 0.0000, 0.7528,
0.0000

163.4132, 0.3603,

 0.0000, 0.0000,

0.2680

0.0000

201.9835, 0.3573,
0.2717

■ 18.9532, 0.4034,
0.2166

■ 18.9532, 0.4034,
0.2166

■ 17.4201, 0.4191,
0.2145

■ 21.3525, 0.3878,
0.2236

■ 16.5768, 0.4345,
0.2173

■ 24.7275, 0.3728,
0.2347

■ 16.4870, 0.4365,
0.2178


■ 29.1744, 0.3591,
0.2488

■ 34.7772, 0.3467,
0.2647

■ 41.6114, 0.3359,
0.2816

 49.7462, 0.3265,
0.2986

 59.2455, 0.3186,
0.3152

 70.1690, 0.3119,
0.3310

 82.5728, 0.3063,
0.3458

Harmonies

Analogous

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



18.9532, 0.2630, 0.1670



18.9532, 0.4034, 0.2166



18.9532, 0.5331, 0.2857

Triad

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



18.9532, 0.4034, 0.2166



18.9532, 0.4233, 0.5466



18.9532, 0.1051, 0.2046

Complementary

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



18.9532, 0.4034, 0.2166



50.7379, 0.2802, 0.5025

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.



18.9532, 0.1275, 0.3206



18.9532, 0.4034, 0.2166



18.9532, 0.3072, 0.5931

Square

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



18.9532, 0.4034, 0.2166



18.9532, 0.5237, 0.4511



18.9532, 0.1978, 0.4960



18.9532, 0.1186, 0.1546

Rectangle

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



18.9532, 0.4034, 0.2166



18.9532, 0.5724, 0.3363



18.9532, 0.1978, 0.4960



18.9532, 0.1081, 0.2345

Sweetspot

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



18.9542, 0.4034, 0.2166



65.6607, 0.3315, 0.2892



9.9454, 0.2025, 0.1046



13.1769, 0.3350, 0.2831



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.



18.9542, 0.4034, 0.2166



24.5276, 0.4287, 0.2159



17.0152, 0.5518, 0.3083



12.5548, 0.3191, 0.3140



9.7789, 0.4343, 0.2166



0.6053, 0.4097, 0.2031

Inverse Universe

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



18.9542, 0.4034, 0.2166



24.5276, 0.4287, 0.2159



53.4372, 0.2401, 0.3661



12.5548, 0.3191, 0.3140



9.7789, 0.4343, 0.2166



0.6053, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 18.9532, 0.4034, 0.2166 looks on a white background.

Color Contrast Check

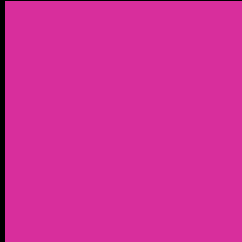
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.9532, 0.4034, 0.2166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

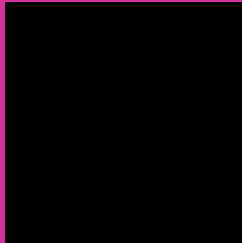
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9532, 0.4034, 0.2166

Background



This preview shows how black text looks on a background with the Yxy color 18.9532, 0.4034, 0.2166.



This preview shows how white text looks on a background with the Yxy color 18.9532, 0.4034, 0.2166.

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

18.9532, 0.4034, 0.2166

Protanopia

19.3096, 0.2064, 0.1864

Deuteranopia

19.2933, 0.2834, 0.2788



Tritanopia

19.0025, 0.5189, 0.3254

Trichromacy



Original Color

18.9532, 0.4034, 0.2166



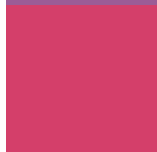
Protanomaly

16.1178, 0.2506, 0.1809



Deuteranomaly

16.8249, 0.3238, 0.2384



Tritanomaly

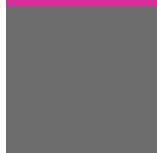
18.5927, 0.4800, 0.2831

Monochromacy



Original Color

18.9532, 0.4034, 0.2166



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.4578, 0.3493, 0.2616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9532, 0.4034, 0.2166 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(216, 46, 156)` looks like.

```
.text, #text, p{  
    color:rgb(216, 46, 156)  
}
```

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(216, 46, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 46, 156) }
```

Border

The CSS property to change the border of an element to Yxy 18.9532, 0.4034, 0.2166 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(216, 46, 156) }
```

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

```
.border{ border-color:rgb(216, 46, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 46, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 46, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 46, 156);  
box-shadow:4px 4px 4px 4px rgb(216, 46,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9532, 0.4034, 0.2166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 46, 156) }
```

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

```
.background{ background-color: rgb(216, 46,  
156) }
```

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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