

Converting Colors

$Y_{xy}(17.9936, 0.3923, 0.2249)$

Have a look what the booklet for
Yxy(17.9936, 0.3923, 0.2249)
contains.

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Color

Yxy(18.0961, 0.3926, 0.2253)

Conversions

Conversions Part 1

Format	Color
Hex	CA3D96
RGB	202, 61, 150
RGB Percent	79%, 24%, 59%
CMY	0.2078, 0.7608, 0.4117
CMYK	0.00, 0.70, 0.26, 0.21
HSL	322°, 57%, 52%
HSV	322°, 70%, 79%
XYZ	31.5336, 18.0961, 30.6903
YIQ	113.3050, 55.4670, 57.5710

Conversions

Conversions Part 2

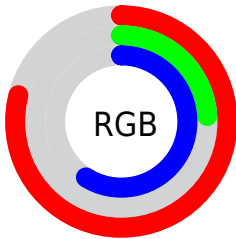
Format	Color
R_{YB}	202, 61, 150
Decimal	13254038
CIE _{Lab}	49.61, 63.33, -18.01
CIE _{LCh}	50, 65.836, 344.126
Yxy	18.0961, 0.3926, 0.2253
Android (android.graphics.Color)	4291444118 (0xFFCA3D96)
YUV	113.3050, 18.0906, 77.7855
Hunter-Lab	42.5395, 57.8741, -12.9973

Details

The Yxy color **18.0961, 0.3926, 0.2253** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **44.4296, 0.2790, 0.4763**, and the grayscale version is **16.5413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8133, 0.3692, 0.2440**, and **6.8301, 0.4170, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **16.0994, 0.4091, 0.2190**, and if you desaturate by 10%, it is **20.9217, 0.3768, 0.2358**.

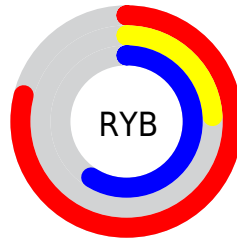
Distribution



Red (79%)

Green (24%)

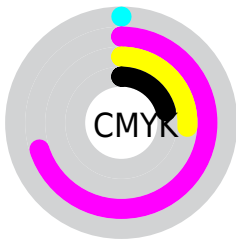
Blue (59%)



Red (79%)

Yellow (24%)

Blue (59%)

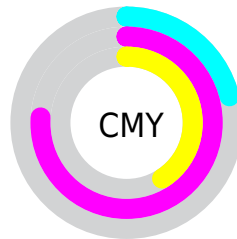


Cyan (0%)

Magenta (70%)

Yellow (26%)

Black (21%)



Cyan (21%)


Magenta (76%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0961, 0.3926, 0.2253 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 18.0961, 0.3926, 0.2253 by changing the saturation by 10% instead.


 18.0961, 0.3926,
0.2253

 18.0961, 0.3926,
0.2253


241.4122, 0.3491,
0.2802


 11.0190, 0.4047,
0.2107


 40.2010, 0.3759,
0.2459


 6.0796, 0.4210,
0.1917


 55.9976, 0.3699,
0.2535

 2.8936, 0.4439,
0.1657


 75.4695, 0.3649,
0.2598

 1.0764, 0.4784,
0.1292

 99.0011, 0.3607,
0.2651

 0.0000, 0.5786,
0.0000

 126.9767, 0.3572,
0.2697

 0.0000, 0.9851,
0.0000

159.7809, 0.3541,

 0.0000, 0.0000,

0.2736

0.0000

197.7979, 0.3514,
0.2771

■ 18.0961, 0.3926,
0.2253

■ 18.0961, 0.3926,
0.2253

■ 16.0994, 0.4091,
0.2190

■ 20.9217, 0.3768,
0.2358

■ 14.8319, 0.4257,
0.2177

■ 24.6554, 0.3623,
0.2493

■ 14.1161, 0.4419,
0.2209

■ 29.3702, 0.3492,
0.2647

■ 14.1039, 0.4422,
0.2210

■ 35.1308, 0.3378,
0.2811

■ 41.9965, 0.3280,
0.2976

■ 50.0219, 0.3196,
0.3138

■ 59.2582, 0.3126,
0.3293

■ 69.7533, 0.3067,
0.3438

■ 81.5527, 0.3018,
0.3573

Harmonies

Analogous

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



18.0961, 0.2666, 0.1788



18.0961, 0.3926, 0.2253



18.0961, 0.5091, 0.2909

Triad

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



18.0961, 0.3926, 0.2253



18.0961, 0.4225, 0.5298



18.0961, 0.1202, 0.2188

Complementary

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



18.0961, 0.3926, 0.2253



44.4296, 0.2790, 0.4763

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.



18.0961, 0.1440, 0.3265



18.0961, 0.3926, 0.2253



18.0961, 0.3152, 0.5637

Square

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



18.0961, 0.3926, 0.2253



18.0961, 0.5114, 0.4471



18.0961, 0.2124, 0.4781



18.0961, 0.1320, 0.1691

Rectangle

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



18.0961, 0.3926, 0.2253



18.0961, 0.5475, 0.3395



18.0961, 0.2124, 0.4781



18.0961, 0.1237, 0.2474

Sweetspot

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



18.0970, 0.3926, 0.2253



69.2563, 0.3293, 0.2952



11.0922, 0.2190, 0.1272



14.1031, 0.3320, 0.2906



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.



18.0970, 0.3926, 0.2253



25.9674, 0.4180, 0.2177



16.4708, 0.5161, 0.3095



11.3308, 0.3193, 0.3145



9.0924, 0.4402, 0.2198



0.4834, 0.4110, 0.2038

Inverse Universe

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



18.0970, 0.3926, 0.2253



25.9674, 0.4180, 0.2177



46.6651, 0.2422, 0.3575



11.3308, 0.3193, 0.3145



9.0924, 0.4402, 0.2198



0.4834, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 18.0961, 0.3926, 0.2253 looks on a white background.

Color Contrast Check

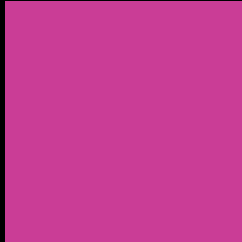
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0961, 0.3926, 0.2253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

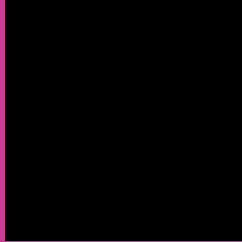
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0961, 0.3926, 0.2253

Background



This preview shows how black text looks on a background with the Yxy color 18.0961, 0.3926, 0.2253.



This preview shows how white text looks on a background with the Yxy color 18.0961, 0.3926, 0.2253.

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

18.0961, 0.3926, 0.2253

Protanopia

18.4204, 0.2192, 0.2031

Deuteranopia

18.2953, 0.2860, 0.2813



Tritanopia

18.1024, 0.4900, 0.3235

Trichromacy



Original Color

18.0961, 0.3926, 0.2253



Protanomaly

16.2859, 0.2625, 0.2005



Deuteranomaly

16.7996, 0.3219, 0.2493



Tritanomaly

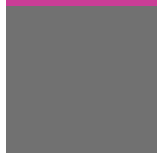
17.8596, 0.4568, 0.2855

Monochromacy



Original Color

18.0961, 0.3926, 0.2253



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.5315, 0.3430, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0961, 0.3926, 0.2253 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(202, 61, 150)` looks like.

```
.text, #text, p{  
    color:rgb(202, 61, 150)  
}
```

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(202, 61, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 61, 150) }
```

Border

The CSS property to change the border of an element to Yxy 18.0961, 0.3926, 0.2253 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(202, 61, 150) }
```

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

```
.border{ border-color:rgb(202, 61, 150) }
```

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

Here you see how a box with a 4 pixel rgb(202, 61, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 61, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 61, 150);  
box-shadow:4px 4px 4px 4px rgb(202, 61,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0961, 0.3926, 0.2253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 61, 150) }
```

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

```
.background{ background-color: rgb(202, 61,  
150) }
```

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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