

Converting Colors

$Y_{xy}(19.2793, 0.3582, 0.2016)$

Have a look what the booklet for
Yxy(19.2793, 0.3582, 0.2016)
contains.

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Color

Yxy(19.2308, 0.3586, 0.2016)

Conversions

Conversions Part 1

Format	Color
Hex	CC3DAE
RGB	204, 61, 174
RGB Percent	80%, 24%, 68%
CMY	0.2001, 0.7607, 0.3176
CMYK	0.00, 0.70, 0.15, 0.20
HSL	313°, 58%, 52%
HSV	313°, 70%, 80%
XYZ	34.2072, 19.2308, 41.9529
YIQ	116.6390, 48.9550, 65.4590

Conversions

Conversions Part 2

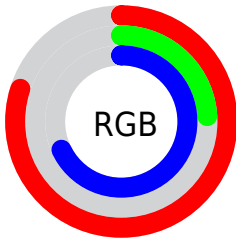
Format	Color
R_{YB}	204, 61, 174
Decimal	13385134
CIE _{Lab}	50.96, 67.05, -30.09
CIE _{LCh}	51, 73.494, 335.830
Yxy	19.2308, 0.3586, 0.2016
Android (android.graphics.Color)	4291575214 (0xFFCC3DAE)
YUV	116.6390, 28.2790, 76.6156
Hunter-Lab	43.8529, 62.4950, -26.0241

Details

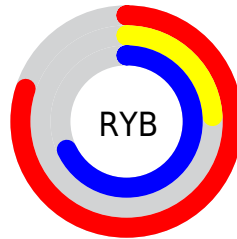
The Yxy color **19.2308, 0.3586, 0.2016** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **44.9270, 0.2901, 0.5131**, and the grayscale version is **17.5753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4061, 0.3419, 0.2220**, and **7.4915, 0.3686, 0.1804** is the 20% darker color. If you saturate the color by 10%, you get **17.2874, 0.3669, 0.1927**, and if you desaturate by 10%, it is **22.0093, 0.3504, 0.2146**.

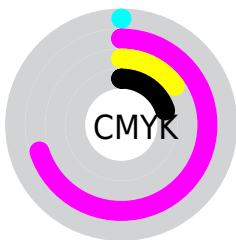
Distribution



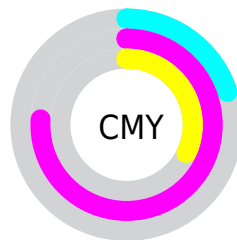
- Red (80%)
- Green (24%)
- Blue (68%)



- Red (80%)
- Yellow (24%)
- Blue (68%)



- Cyan (0%)
- Magenta (70%)
- Yellow (15%)
- Black (20%)



- Cyan (20%)
- Magenta (76%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2308, 0.3586, 0.2016 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 19.2308, 0.3586, 0.2016 by changing the saturation by 10% instead.


 19.2308, 0.3586,
0.2016


 19.2308, 0.3586,
0.2016


247.7200, 0.3360,
0.2662


 11.8372, 0.3639,
0.1856


 42.1237, 0.3506,
0.2251

 6.6329, 0.3705,
0.1652


 58.3918, 0.3475,
0.2340


 3.2336, 0.3786,
0.1389


 78.3869, 0.3449,
0.2414

 1.2549, 0.3885,
0.1042

 102.4932, 0.3426,
0.2478

 0.1059, 0.4152,
0.0210

 131.0953, 0.3406,
0.2534

 0.0000, 0.4031,
0.0000

164.5776, 0.3389,

 0.0000, 0.0000,

0.2582

0.0000

203.3243, 0.3374,
0.2625

■ 19.2308, 0.3586,
0.2016

■ 19.2308, 0.3586,
0.2016

■ 17.2874, 0.3669,
0.1927

■ 22.0093, 0.3504,
0.2146

■ 16.0765, 0.3750,
0.1885


■ 25.7042, 0.3425,
0.2308

■ 15.4154, 0.3828,
0.1882


■ 30.3902, 0.3351,
0.2494

■ 36.1337, 0.3284,
0.2692

■ 42.9951, 0.3225,
0.2895

 51.0304, 0.3172,
0.3095

 60.2918, 0.3127,
0.3288

 70.8284, 0.3089,
0.3472

 82.6865, 0.3057,
0.3643

Harmonies

Analogous

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



19.2308, 0.2312, 0.1603



19.2308, 0.3586, 0.2016



19.2308, 0.4974, 0.2658

Triad

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



19.2308, 0.3586, 0.2016



19.2308, 0.4547, 0.5175



19.2308, 0.1107, 0.2330

Complementary

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



19.2308, 0.3586, 0.2016



44.9270, 0.2901, 0.5131

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.



19.2308, 0.1460, 0.3690



19.2308, 0.3586, 0.2016



19.2308, 0.3427, 0.5852

Square

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



19.2308, 0.3586, 0.2016



19.2308, 0.5423, 0.4237



19.2308, 0.2299, 0.5348



19.2308, 0.1141, 0.1671

Rectangle

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



19.2308, 0.3586, 0.2016



19.2308, 0.5558, 0.3148



19.2308, 0.2299, 0.5348



19.2308, 0.1175, 0.2699

Sweetspot

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



19.2317, 0.3586, 0.2016



69.7610, 0.3231, 0.2871



9.8541, 0.1976, 0.1163



14.2239, 0.3247, 0.2814



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.



19.2317, 0.3586, 0.2016



27.4888, 0.3710, 0.1900



17.1735, 0.4757, 0.2811



11.3619, 0.3169, 0.3109



9.7183, 0.3817, 0.1877



0.5117, 0.3676, 0.1799

Inverse Universe

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



19.2317, 0.3586, 0.2016



27.4888, 0.3710, 0.1900



46.7481, 0.2541, 0.3965



11.3619, 0.3169, 0.3109



9.7183, 0.3817, 0.1877



0.5117, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 19.2308, 0.3586, 0.2016 looks on a white background.

Color Contrast Check

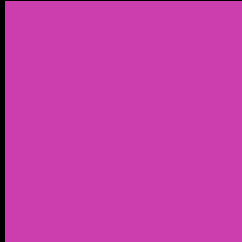
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2308, 0.3586, 0.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

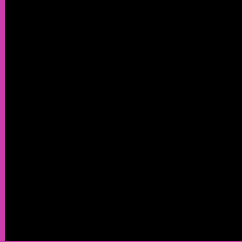
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2308, 0.3586, 0.2016

Background



This preview shows how black text looks on a background with the Yxy color 19.2308, 0.3586, 0.2016.



This preview shows how white text looks on a background with the Yxy color 19.2308, 0.3586, 0.2016.

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

19.2308, 0.3586, 0.2016

Protanopia

19.7697, 0.1960, 0.1737

Deuteranopia

19.4008, 0.2556, 0.2503



Tritanopia

19.1640, 0.4707, 0.3219

Trichromacy



Original Color

19.2308, 0.3586, 0.2016



Protanomaly

17.0651, 0.2302, 0.1708



Deuteranomaly

17.6801, 0.2881, 0.2211



Tritanomaly

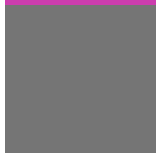
18.8550, 0.4303, 0.2730

Monochromacy



Original Color

19.2308, 0.3586, 0.2016



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.7739, 0.3311, 0.2613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2308, 0.3586, 0.2016 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(204, 61, 174)` looks like.

```
.text, #text, p{  
    color:rgb(204, 61, 174)  
}
```

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(204, 61, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 61, 174) }
```

Border

The CSS property to change the border of an element to Yxy 19.2308, 0.3586, 0.2016 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(204, 61, 174) }
```

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

```
.border{ border-color:rgb(204, 61, 174) }
```

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

Here you see how a box with a 4 pixel rgb(204, 61, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 61, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 61, 174);  
box-shadow:4px 4px 4px 4px rgb(204, 61,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2308, 0.3586, 0.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 61, 174) }
```

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

```
.background{ background-color: rgb(204, 61,  
174) }
```

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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