

Converting Colors

$Y_{xy}(20.2969, 0.4397, 0.2892)$

Have a look what the booklet for
Yxy(20.2969, 0.4397, 0.2892)
contains.

Yxy(20.1816, 0.4390, 0.2882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.1816, 0.4390, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	CA5475
RGB	202, 84, 117
RGB Percent	79%, 33%, 46%
CMY	0.2078, 0.6706, 0.5412
CMYK	0.00, 0.58, 0.42, 0.21
HSL	343°, 53%, 56%
HSV	343°, 58%, 79%
XYZ	30.7416, 20.1816, 19.1032
YIQ	123.0440, 59.7350, 35.2790

Conversions

Conversions Part 2

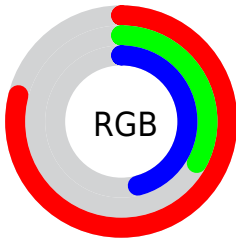
Format	Color
R_{YB}	202, 84, 117
Decimal	13259893
CIE _{Lab}	52.04, 49.93, 5.35
CIE _{LCh}	52, 50.216, 6.115
Yxy	20.1816, 0.4390, 0.2882
Android (android.graphics.Color)	4291449973 (0xFFCA5475)
YUV	123.0440, -2.9797, 69.2444
Hunter-Lab	44.9239, 43.5312, 6.2346

Details

The Yxy color **20.1816, 0.4390, 0.2882** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **46.9987, 0.2579, 0.3794**, and the grayscale version is **19.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3015, 0.4035, 0.2969**, and **7.1428, 0.4905, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **17.1703, 0.4746, 0.2849**, and if you desaturate by 10%, it is **24.1523, 0.4072, 0.2939**.

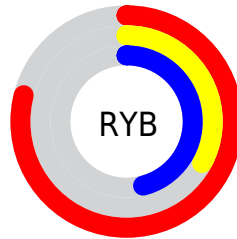
Distribution



Red (79%)

Green (33%)

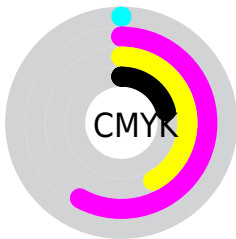
Blue (46%)



Red (79%)

Yellow (33%)

Blue (46%)

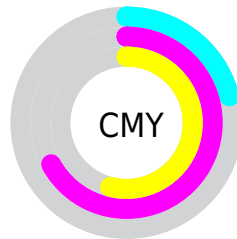


Cyan (0%)

Magenta (58%)

Yellow (42%)

Black (21%)



Cyan (21%)


Magenta (67%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1816, 0.4390, 0.2882 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 20.1816, 0.4390, 0.2882 by changing the saturation by 10% instead.


 20.1816, 0.4390,
0.2882


 20.1816, 0.4390,
0.2882


252.8965, 0.3671,
0.3124

 12.5271, 0.4603,
0.2806


 43.7214, 0.4105,
0.2981

 7.1037, 0.4900,
0.2697


 60.3756, 0.4005,
0.3014

 3.5271, 0.5337,
0.2529

 80.7984, 0.3924,
0.3042

 1.4127, 0.6030,
0.2248

 105.3743, 0.3856,
0.3064

 0.2261, 0.8751,
0.1249

 134.4877, 0.3799,
0.3083

 0.0000, 1.0000,
0.0000

168.5229, 0.3750,

 0.0000, 0.0000,

0.3098

0.0000

207.8644, 0.3708,
0.3112

■ 20.1816, 0.4390,
0.2882

■ 20.1816, 0.4390,
0.2882

■ 17.1703, 0.4746,
0.2849

■ 24.1523, 0.4072,
0.2939

■ 15.0326, 0.5122,
0.2851

■ 29.1521, 0.3800,
0.3009

■ 13.6728, 0.5485,
0.2897

■ 35.2480, 0.3572,
0.3084

■ 12.9416, 0.5802,
0.2982

■ 42.5001, 0.3386,
0.3160

■ 12.8493, 0.5848,
0.2995

■ 50.9645, 0.3233,
0.3232

■ 60.6933, 0.3109,
0.3300

■ 71.7357, 0.3008,
0.3363

■ 84.1382, 0.2926,
0.3421

■ 90.8544, 0.2852,
0.3363

Harmonies

Analogous

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



20.1816, 0.3477, 0.2365



20.1816, 0.4390, 0.2882



20.1816, 0.4907, 0.3500

Triad

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



20.1816, 0.4390, 0.2882



20.1816, 0.3461, 0.5011



20.1816, 0.1630, 0.2128

Complementary

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



20.1816, 0.4390, 0.2882



46.9987, 0.2579, 0.3794

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.



20.1816, 0.1623, 0.2669



20.1816, 0.4390, 0.2882



20.1816, 0.2610, 0.4576

Square

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



20.1816, 0.4390, 0.2882



20.1816, 0.4271, 0.4749



20.1816, 0.1948, 0.3587



20.1816, 0.1945, 0.1939

Rectangle

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



20.1816, 0.4390, 0.2882



20.1816, 0.4917, 0.3935



20.1816, 0.1948, 0.3587



20.1816, 0.1594, 0.2265

Sweetspot

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



20.1827, 0.4390, 0.2882



72.1805, 0.3383, 0.3161



18.9928, 0.2812, 0.1774



14.6274, 0.3434, 0.3139



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.



20.1827, 0.4390, 0.2882



28.0151, 0.4841, 0.2846



24.2570, 0.4689, 0.3612



11.2644, 0.3247, 0.3225



8.2800, 0.5814, 0.2976



0.4403, 0.5242, 0.2662

Inverse Universe

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



20.1827, 0.4390, 0.2882



28.0151, 0.4841, 0.2846



37.3751, 0.2323, 0.2901



11.2644, 0.3247, 0.3225



8.2800, 0.5814, 0.2976



0.4403, 0.5242, 0.2662

Previews

White Background



This preview shows how the Yxy color 20.1816, 0.4390, 0.2882 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 20.1816, 0.4390, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

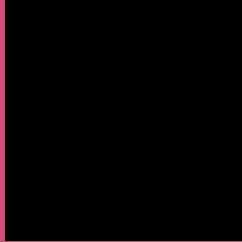
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1816, 0.4390, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 20.1816, 0.4390, 0.2882.



This preview shows how white text looks on a background with the Yxy color 20.1816, 0.4390, 0.2882.

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

20.1816, 0.4390, 0.2882

Protanopia

20.4463, 0.2931, 0.3002

Deuteranopia

20.3314, 0.3519, 0.3449



Tritanopia

20.0670, 0.4707, 0.3220

Trichromacy



Original Color

20.1816, 0.4390, 0.2882

Protanomaly

19.1825, 0.3397, 0.2910

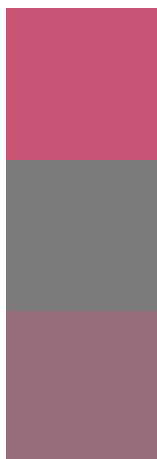
Deuteranomaly

19.6002, 0.3841, 0.3197

Tritanomaly

20.1932, 0.4601, 0.3108

Monochromacy



Original Color

20.1816, 0.4390, 0.2882

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9932, 0.3558, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1816, 0.4390, 0.2882 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, 84, 117)` looks like.

```
.text, #text, p{  
    color:rgb(202, 84, 117)  
}
```

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, 84, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 84, 117) }
```

Border

The CSS property to change the border of an element to Yxy 20.1816, 0.4390, 0.2882 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, 84, 117) }
```

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

```
.border{ border-color:rgb(202, 84, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 84, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 84, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 84, 117);  
box-shadow:4px 4px 4px 4px rgb(202, 84,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1816, 0.4390, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 84, 117) }
```

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

```
.background{ background-color: rgb(202, 84,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor