

Converting Colors

$Y_{xy}(15.5583, 0.3894, 0.2177)$

Have a look what the booklet for
Yxy(15.5583, 0.3894, 0.2177)
contains.

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Color

Yxy(15.5460, 0.3896, 0.2183)

Conversions

Conversions Part 1

Format	Color
Hex	BF3490
RGB	191, 52, 144
RGB Percent	75%, 20%, 56%
CMY	0.2510, 0.7960, 0.4353
CMYK	0.00, 0.73, 0.25, 0.25
HSL	320°, 57%, 48%
HSV	320°, 73%, 75%
XYZ	27.7449, 15.5460, 27.9230
YIQ	104.0490, 53.3120, 58.0800

Conversions

Conversions Part 2

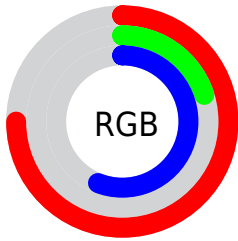
Format	Color
R_{YB}	191, 52, 144
Decimal	12530832
CIE _{Lab}	46.37, 62.83, -19.53
CIE _{LCh}	46, 65.794, 342.736
Yxy	15.5460, 0.3896, 0.2183
Android (android.graphics.Color)	4290720912 (0xFFBF3490)
YUV	104.0490, 19.6958, 76.2560
Hunter-Lab	39.4284, 56.6070, -14.3889

Details

The Yxy color **15.5460, 0.3896, 0.2183** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **38.8873, 0.2811, 0.4902**, and the grayscale version is **13.7965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9553, 0.3734, 0.2412**, and **5.7769, 0.4119, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **13.9801, 0.4044, 0.2127**, and if you desaturate by 10%, it is **17.8142, 0.3753, 0.2283**.

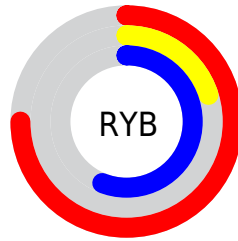
Distribution



Red (75%)

Green (20%)

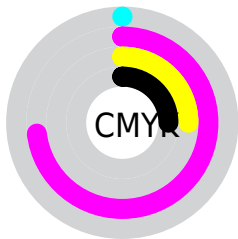
Blue (56%)



Red (75%)

Yellow (20%)

Blue (56%)

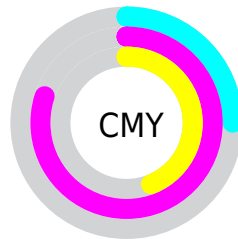


Cyan (0%)

Magenta (73%)

Yellow (25%)

Black (25%)



Cyan (25%)


Magenta (80%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5460, 0.3896, 0.2183 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 15.5460, 0.3896, 0.2183 by changing the saturation by 10% instead.


 15.5460, 0.3896,
0.2183


 15.5460, 0.3896,
0.2183


226.6476, 0.3472,
0.2778


 9.2035, 0.4016,
0.2022


 35.8082, 0.3732,
0.2408


 4.8741, 0.4178,
0.1810


 50.4967, 0.3674,
0.2490

 2.1736, 0.4408,
0.1520

 68.7360, 0.3625,
0.2558

 0.7055, 0.4765,
0.1094

 90.9104, 0.3585,
0.2616

 0.0000, 0.5622,
0.0000

 117.4044, 0.3550,
0.2665

 0.0000, 1.0000,
0.0000

148.6023, 0.3521,

 0.0000, 0.0000,

0.2708

0.0000

184.8886, 0.3495,
0.2745

■ 15.5460, 0.3896,
0.2183

■ 15.5460, 0.3896,
0.2183

■ 13.9801, 0.4044,
0.2127

■ 17.8142, 0.3753,
0.2283

■ 13.0250, 0.4190,
0.2121

■ 20.8568, 0.3618,
0.2416

■ 12.5913, 0.4295,
0.2140

■ 24.7394, 0.3496,
0.2572

■ 29.5199, 0.3388,
0.2740

■ 35.2513, 0.3293,
0.2912

■ 41.9822, 0.3213,
0.3083

■ 49.7579, 0.3144,
0.3246

■ 58.6211, 0.3086,
0.3401

■ 68.6118, 0.3038,
0.3546

Harmonies

Analogous

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



15.5460, 0.2588, 0.1718



15.5460, 0.3896, 0.2183



15.5460, 0.5145, 0.2848

Triad

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



15.5460, 0.3896, 0.2183



15.5460, 0.4289, 0.5330



15.5460, 0.1138, 0.2169

Complementary

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



15.5460, 0.3896, 0.2183



38.8873, 0.2811, 0.4902

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.



15.5460, 0.1393, 0.3321



15.5460, 0.3896, 0.2183



15.5460, 0.3181, 0.5770

Square

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



15.5460, 0.3896, 0.2183



15.5460, 0.5210, 0.4442



15.5460, 0.2113, 0.4939



15.5460, 0.1245, 0.1643

Rectangle

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



15.5460, 0.3896, 0.2183



15.5460, 0.5569, 0.3341



15.5460, 0.2113, 0.4939



15.5460, 0.1178, 0.2474

Sweetspot

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



15.5468, 0.3896, 0.2183



63.6025, 0.3290, 0.2919



8.8359, 0.2103, 0.1183



13.3051, 0.3314, 0.2872



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.5468, 0.3896, 0.2183



23.9580, 0.4127, 0.2117



14.0439, 0.5196, 0.3042



9.6399, 0.3188, 0.3139



8.2917, 0.4277, 0.2130



0.3365, 0.3961, 0.1956

Inverse Universe

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



15.5468, 0.3896, 0.2183



23.9580, 0.4127, 0.2117



40.8068, 0.2434, 0.3666



9.6399, 0.3188, 0.3139



8.2917, 0.4277, 0.2130



0.3365, 0.3961, 0.1956

Previews

White Background



This preview shows how the Yxy color 15.5460, 0.3896, 0.2183 looks on a white background.

Color Contrast Check

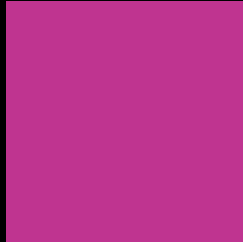
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5460, 0.3896, 0.2183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

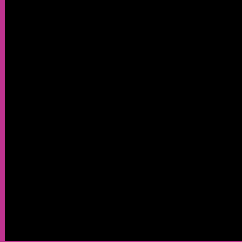
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5460, 0.3896, 0.2183

Background



This preview shows how black text looks on a background with the Yxy color 15.5460, 0.3896, 0.2183.



This preview shows how white text looks on a background with the Yxy color 15.5460, 0.3896, 0.2183.

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

15.5460, 0.3896, 0.2183

Protanopia

15.8908, 0.2110, 0.1927

Deuteranopia

15.6908, 0.2798, 0.2745



Tritanopia

15.4848, 0.4939, 0.3232

Trichromacy



Original Color

15.5460, 0.3896, 0.2183

Protanomaly

13.7713, 0.2533, 0.1905

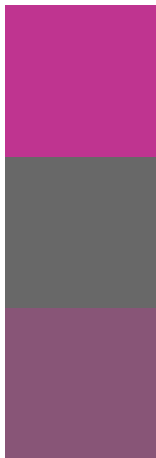
Deuteranomaly

14.2468, 0.3154, 0.2412

Tritanomaly

15.2850, 0.4582, 0.2832

Monochromacy



Original Color

15.5460, 0.3896, 0.2183

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.0631, 0.3423, 0.2672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5460, 0.3896, 0.2183 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(191, 52, 144)` looks like.

```
.text, #text, p{  
  color:rgb(191, 52, 144)  
}
```

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(191, 52, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 52, 144) }
```

Border

The CSS property to change the border of an element to Yxy 15.5460, 0.3896, 0.2183 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(191, 52, 144) }
```

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

```
.border{ border-color:rgb(191, 52, 144) }
```

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

Here you see how a box with a 4 pixel rgb(191, 52, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 52, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 52, 144);  
box-shadow:4px 4px 4px 4px rgb(191, 52,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5460, 0.3896, 0.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 52, 144) }
```

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

```
.background{ background-color: rgb(191, 52,  
144) }
```

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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