

Converting Colors

$Y_{xy}(15.6722, 0.3865, 0.2417)$

Have a look what the booklet for
Yxy(15.6722, 0.3865, 0.2417)
contains.

Yxy(15.6853, 0.3857, 0.2412)	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(15.6853, 0.3857, 0.2412)

Conversions

Conversions Part 1

Format	Color
Hex	B34686
RGB	179, 70, 134
RGB Percent	70%, 27%, 53%
CMY	0.2981, 0.7254, 0.4745
CMYK	0.00, 0.61, 0.25, 0.30
HSL	325°, 44%, 49%
HSV	325°, 61%, 70%
XYZ	25.0822, 15.6853, 24.2628
YIQ	109.8870, 44.4200, 43.0120

Conversions

Conversions Part 2

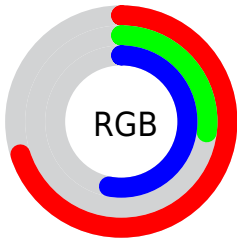
Format	Color
R _Y B	179, 70, 134
Decimal	11748998
CIE Lab	46.56, 51.06, -13.39
CIE LCh	47, 52.787, 345.303
Yxy	15.6853, 0.3857, 0.2412
Android (android.graphics.Color)	4289939078 (0xFFB34686)
YUV	109.8870, 11.8877, 60.6121
Hunter-Lab	39.6047, 43.7383, -8.5992

Details

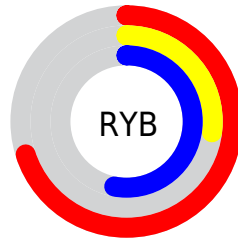
The Yxy color **15.6853, 0.3857, 0.2412** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **34.7762, 0.2776, 0.4441**, and the grayscale version is **15.5163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0077, 0.3693, 0.2602**, and **4.9379, 0.4162, 0.2095** is the 20% darker color. If you saturate the color by 10%, you get **13.5712, 0.4037, 0.2319**, and if you desaturate by 10%, it is **18.4827, 0.3691, 0.2536**.

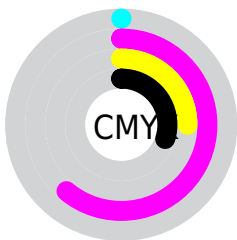
Distribution



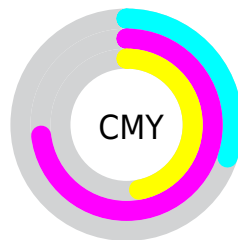
- Red (70%)
- Green (27%)
- Blue (53%)



- Red (70%)
- Yellow (27%)
- Blue (53%)



- Cyan (0%)
- Magenta (61%)
- Yellow (25%)
- Black (30%)





- Cyan (30%)
- Magenta (73%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6853, 0.3857, 0.2412 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 15.6853, 0.3857, 0.2412 by changing the saturation by 10% instead.


 15.6853, 0.3857,
0.2412


 15.6853, 0.3857,
0.2412


227.4775, 0.3445,
0.2896


 9.3017, 0.3979,
0.2275


 36.0510, 0.3694,
0.2599


 4.9385, 0.4149,
0.2089


 50.8019, 0.3637,
0.2666


 2.2112, 0.4400,
0.1825

 69.1108, 0.3590,
0.2721

 0.7261, 0.4814,
0.1410

 91.3619, 0.3551,
0.2767

 0.0000, 0.6292,
0.0000

 117.9398, 0.3518,
0.2807

 0.0000, 0.0000,
0.0000

149.2287, 0.3490,

0.2841

185.6132, 0.3466,
0.2870

■ 15.6853, 0.3857,
0.2412

■ 15.6853, 0.3857,
0.2412

■ 13.5712, 0.4037,
0.2319

■ 18.4827, 0.3691,
0.2536

■ 12.0764, 0.4227,
0.2268

■ 22.0150, 0.3544,
0.2678

■ 11.1289, 0.4417,
0.2266

■ 26.3318, 0.3415,
0.2830

■ 10.6046, 0.4589,
0.2302

■ 31.4773, 0.3305,
0.2984

■ 37.4927, 0.3212,
0.3134

■ 44.4163, 0.3133,
0.3278

■ 52.2841, 0.3068,
0.3413

■ 61.1301, 0.3014,
0.3538

■ 70.9868, 0.2969,
0.3654

Harmonies

Analogous

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



15.6853, 0.2782, 0.1980



15.6853, 0.3857, 0.2412



15.6853, 0.4816, 0.3016

Triad

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



15.6853, 0.3857, 0.2412



15.6853, 0.4113, 0.5074



15.6853, 0.1425, 0.2339

Complementary

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



15.6853, 0.3857, 0.2412



34.7762, 0.2776, 0.4441

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.



15.6853, 0.1650, 0.3252



15.6853, 0.3857, 0.2412



15.6853, 0.3169, 0.5226

Square

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



15.6853, 0.3857, 0.2412



15.6853, 0.4868, 0.4428



15.6853, 0.2263, 0.4469



15.6853, 0.1540, 0.1887

Rectangle

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



15.6853, 0.3857, 0.2412



15.6853, 0.5140, 0.3467



15.6853, 0.2263, 0.4469



15.6853, 0.1460, 0.2589

Sweetspot

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



15.6861, 0.3857, 0.2412



59.0094, 0.3279, 0.3023



11.1874, 0.2381, 0.1547



12.4238, 0.3308, 0.2979



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



15.6861, 0.3857, 0.2412



23.2942, 0.4100, 0.2297



14.5574, 0.4816, 0.3149



8.5862, 0.3198, 0.3157



7.5079, 0.4568, 0.2290



0.2475, 0.4096, 0.2030

Inverse Universe

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



15.6861, 0.3857, 0.2412



23.2942, 0.4100, 0.2297



36.3690, 0.2453, 0.3469



8.5862, 0.3198, 0.3157



7.5079, 0.4568, 0.2290



0.2475, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 15.6853, 0.3857, 0.2412 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 15.6853, 0.3857, 0.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

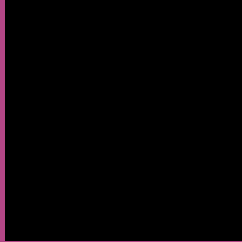
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6853, 0.3857, 0.2412

Background



This preview shows how black text looks on a background with the Yxy color 15.6853, 0.3857, 0.2412.



This preview shows how white text looks on a background with the Yxy color 15.6853, 0.3857, 0.2412.

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

15.6853, 0.3857, 0.2412

Protanopia

15.8731, 0.2401, 0.2309

Deuteranopia

15.8610, 0.2962, 0.2900



Tritanopia

15.6869, 0.4569, 0.3208

Trichromacy



Original Color

15.6853, 0.3857, 0.2412

Protanomaly

14.7365, 0.2806, 0.2288

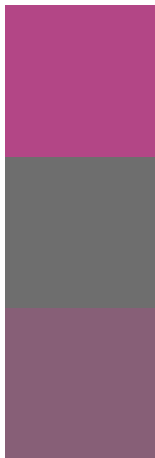
Deuteranomaly

15.0204, 0.3272, 0.2655

Tritanomaly

15.5373, 0.4312, 0.2906

Monochromacy



Original Color

15.6853, 0.3857, 0.2412

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

14.6672, 0.3385, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6853, 0.3857, 0.2412 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(179, 70, 134)` looks like.

```
.text, #text, p{  
    color:rgb(179, 70, 134)  
}
```

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(179, 70, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 70, 134) }
```

Border

The CSS property to change the border of an element to Yxy 15.6853, 0.3857, 0.2412 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(179, 70, 134) }
```

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

```
.border{ border-color:rgb(179, 70, 134) }
```

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

Here you see how a box with a 4 pixel rgb(179, 70, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 70, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 70, 134);  
box-shadow:4px 4px 4px 4px rgb(179, 70,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6853, 0.3857, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 70, 134) }
```

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

```
.background{ background-color: rgb(179, 70,  
134) }
```

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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