

Converting Colors

$Y_{xy}(15.7913, 0.4774, 0.2739)$

Have a look what the booklet for
Yxy(15.7913, 0.4774, 0.2739)
contains.

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Color

Yxy(15.8048, 0.4767, 0.2736)

Conversions

Conversions Part 1

Format	Color
Hex	C83567
RGB	200, 53, 103
RGB Percent	78%, 21%, 40%
CMY	0.2157, 0.7920, 0.5962
CMYK	0.00, 0.73, 0.49, 0.22
HSL	340°, 58%, 50%
HSV	340°, 73%, 78%
XYZ	27.5371, 15.8048, 14.4242
YIQ	102.6530, 71.5620, 46.7140

Conversions

Conversions Part 2

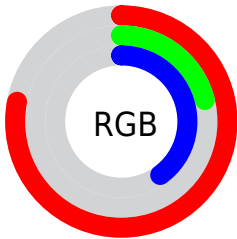
Format	Color
R_{YB}	200, 53, 103
Decimal	13120871
CIE _{Lab}	46.72, 60.52, 6.18
CIE _{LCh}	47, 60.830, 5.830
Yxy	15.8048, 0.4767, 0.2736
Android (android.graphics.Color)	4291310951 (0xFFC83567)
YUV	102.6530, 0.1711, 85.3733
Hunter-Lab	39.7553, 54.0691, 6.3168

Details

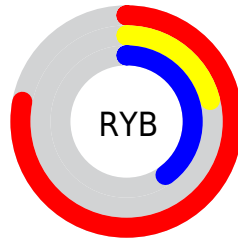
The Yxy color **15.8048, 0.4767, 0.2736** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **44.2639, 0.2562, 0.4104**, and the grayscale version is **13.4561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9620, 0.4315, 0.2860**, and **5.8709, 0.5295, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **14.1016, 0.5110, 0.2751**, and if you desaturate by 10%, it is **18.3121, 0.4433, 0.2765**.

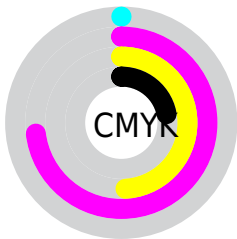
Distribution



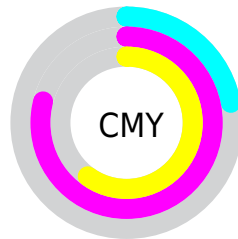
- Red (78%)
- Green (21%)
- Blue (40%)



- Red (78%)
- Yellow (21%)
- Blue (40%)



- Cyan (0%)
- Magenta (73%)
- Yellow (49%)
- Black (22%)





- Cyan (22%)
- Magenta (79%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8048, 0.4767, 0.2736 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 15.8048, 0.4767, 0.2736 by changing the saturation by 10% instead.


 15.8048, 0.4767,
0.2736


 15.8048, 0.4767,
0.2736


228.1871, 0.3806,
0.3076


 9.3861, 0.5064,
0.2624


 36.2590, 0.4378,
0.2878


 4.9939, 0.5482,
0.2459

 51.0633, 0.4245,
0.2925

 2.2437, 0.6107,
0.2201

 69.4316, 0.4136,
0.2963

 0.7437, 0.7295,
0.1794

 91.7484, 0.4047,
0.2994

 0.0000, 1.0000,
0.0000

 118.3979, 0.3972,
0.3020

 0.0000, 0.0000,
0.0000

149.7646, 0.3908,

0.3041

186.2329, 0.3854,
0.3060

■ 15.8048, 0.4767,
0.2736

■ 15.8048, 0.4767,
0.2736

■ 14.1016, 0.5110,
0.2751

■ 18.3121, 0.4433,
0.2765

■ 13.0961, 0.5436,
0.2815


■ 21.7070, 0.4128,
0.2825

■ 12.6945, 0.5630,
0.2875


■ 26.0652, 0.3861,
0.2904


■ 31.4537, 0.3635,
0.2994

■ 37.9334, 0.3447,
0.3086

 45.5603, 0.3292,
0.3176

 54.3867, 0.3166,
0.3262

 64.4617, 0.3062,
0.3341

 75.8315, 0.2977,
0.3415

Harmonies

Analogous

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



15.8048, 0.3547, 0.2131



15.8048, 0.4767, 0.2736



15.8048, 0.5419, 0.3448

Triad

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



15.8048, 0.4767, 0.2736



15.8048, 0.3462, 0.5564



15.8048, 0.1297, 0.1823

Complementary

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



15.8048, 0.4767, 0.2736



44.2639, 0.2562, 0.4104

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.



15.8048, 0.1274, 0.2453



15.8048, 0.4767, 0.2736



15.8048, 0.2417, 0.5067

Square

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



15.8048, 0.4767, 0.2736



15.8048, 0.4479, 0.5051



15.8048, 0.1627, 0.3662



15.8048, 0.1654, 0.1627

Rectangle

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



15.8048, 0.4767, 0.2736



15.8048, 0.5380, 0.3961



15.8048, 0.1627, 0.3662



15.8048, 0.1252, 0.1976

Sweetspot

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



15.8057, 0.4767, 0.2736



67.1209, 0.3427, 0.3097



13.0666, 0.2583, 0.1405



13.6509, 0.3474, 0.3071



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.



15.8057, 0.4767, 0.2736



23.2778, 0.5303, 0.2782



17.5776, 0.5407, 0.3522



10.6954, 0.3237, 0.3212



8.0879, 0.5593, 0.2855



0.3966, 0.5001, 0.2529

Inverse Universe

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



15.8057, 0.4767, 0.2736



23.2778, 0.5303, 0.2782



36.7459, 0.2228, 0.2944



10.6954, 0.3237, 0.3212



8.0879, 0.5593, 0.2855



0.3966, 0.5001, 0.2529

Previews

White Background



This preview shows how the Yxy color 15.8048, 0.4767, 0.2736 looks on a white background.

Color Contrast Check

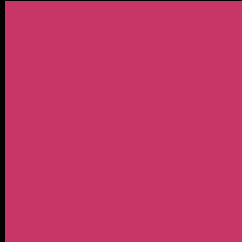
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8048, 0.4767, 0.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

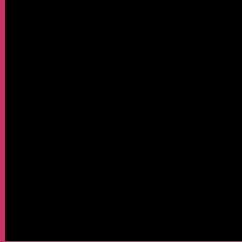
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8048, 0.4767, 0.2736

Background



This preview shows how black text looks on a background with the Yxy color 15.8048, 0.4767, 0.2736.



This preview shows how white text looks on a background with the Yxy color 15.8048, 0.4767, 0.2736.

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

15.8048, 0.4767, 0.2736

Protanopia

15.9653, 0.2787, 0.2800

Deuteranopia

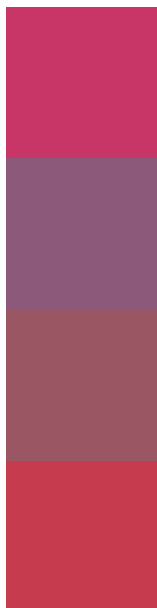
15.9491, 0.3575, 0.3505



Tritanopia

15.8327, 0.5355, 0.3265

Trichromacy



Original Color

15.8048, 0.4767, 0.2736

Protanomaly

14.1503, 0.3413, 0.2688

Deuteranomaly

14.5873, 0.4023, 0.3091

Tritanomaly

15.8346, 0.5159, 0.3080

Monochromacy



Original Color

15.8048, 0.4767, 0.2736

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.8795, 0.3717, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8048, 0.4767, 0.2736 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(200, 53, 103)` looks like.

```
.text, #text, p{  
    color:rgb(200, 53, 103)  
}
```

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(200, 53, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 53, 103) }
```

Border

The CSS property to change the border of an element to Yxy 15.8048, 0.4767, 0.2736 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(200, 53, 103) }
```

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

```
.border{ border-color:rgb(200, 53, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 53, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 53, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 53, 103);  
box-shadow:4px 4px 4px 4px rgb(200, 53,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8048, 0.4767, 0.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 53, 103) }
```

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

```
.background{ background-color: rgb(200, 53,  
103) }
```

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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