

Converting Colors

$Y_{xy}(15.8233, 0.4581, 0.2755)$

Have a look what the booklet for
Yxy(15.8233, 0.4581, 0.2755)
contains.

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Color

Yxy(15.8233, 0.4581, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	C13E6A
RGB	193, 62, 106
RGB Percent	76%, 24%, 42%
CMY	0.2432, 0.7567, 0.5843
CMYK	0.00, 0.68, 0.45, 0.24
HSL	340°, 51%, 50%
HSV	340°, 68%, 76%
XYZ	26.3109, 15.8233, 15.3006
YIQ	106.1850, 63.9520, 41.4560

Conversions

Conversions Part 2

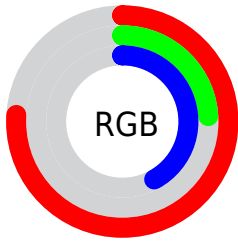
Format	Color
R _Y B	193, 62, 106
Decimal	12664426
CIE Lab	46.74, 55.42, 4.20
CIE LCh	47, 55.583, 4.330
Yxy	15.8233, 0.4581, 0.2755
Android (android.graphics.Color)	4290854506 (0xFFC13E6A)
YUV	106.1850, -0.0912, 76.1368
Hunter-Lab	39.7785, 48.4538, 5.0393

Details

The Yxy color **15.8233, 0.4581, 0.2755** 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 **41.3240, 0.2575, 0.4019**, and the grayscale version is **14.4579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2738, 0.4231, 0.2892**, and **5.3841, 0.5150, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **13.8365, 0.4924, 0.2744**, and if you desaturate by 10%, it is **18.5967, 0.4260, 0.2802**.

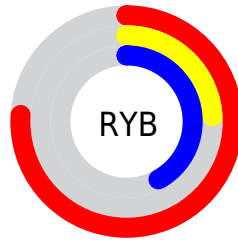
Distribution



Red (76%)

Green (24%)

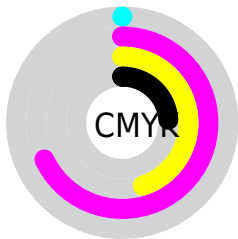
Blue (42%)



Red (76%)

Yellow (24%)

Blue (42%)

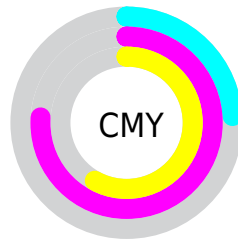


Cyan (0%)

Magenta (68%)

Yellow (45%)

Black (24%)



Cyan (24%)


Magenta (76%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8233, 0.4581, 0.2755 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 15.8233, 0.4581, 0.2755 by changing the saturation by 10% instead.


 15.8233, 0.4581,
0.2755


 15.8233, 0.4581,
0.2755


228.2968, 0.3728,
0.3078


 9.3992, 0.4846,
0.2650


 36.2912, 0.4235,
0.2889


 5.0025, 0.5223,
0.2497

 51.1037, 0.4117,
0.2934

 2.2487, 0.5794,
0.2257

 69.4812, 0.4021,
0.2970

 0.7464, 0.6846,
0.1860

 91.8081, 0.3942,
0.2999

 0.0000, 1.0000,
0.0000

 118.4687, 0.3875,
0.3024

 0.0000, 0.0000,
0.0000

149.8474, 0.3819,

0.3045

186.3286, 0.3771,
0.3063

■ 15.8233, 0.4581,
0.2755

■ 15.8233, 0.4581,
0.2755

■ 13.8365, 0.4924,
0.2744

■ 18.5967, 0.4260,
0.2802

■ 12.5490, 0.5264,
0.2780

■ 22.2268, 0.3975,
0.2874

■ 11.8356, 0.5576,
0.2862

■ 26.7785, 0.3731,
0.2959

■ 11.7129, 0.5640,
0.2880

■ 32.3098, 0.3526,
0.3049

■ 38.8741, 0.3357,
0.3139

■ 46.5207, 0.3218,
0.3226

■ 55.2957, 0.3105,
0.3307

■ 65.2426, 0.3012,
0.3382

■ 76.4027, 0.2936,
0.3451

Harmonies

Analogous

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



15.8233, 0.3461, 0.2187



15.8233, 0.4581, 0.2755



15.8233, 0.5225, 0.3435

Triad

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



15.8233, 0.4581, 0.2755



15.8233, 0.3523, 0.5363



15.8233, 0.1401, 0.1950

Complementary

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



15.8233, 0.4581, 0.2755



41.3240, 0.2575, 0.4019

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.



15.8233, 0.1402, 0.2577



15.8233, 0.4581, 0.2755



15.8233, 0.2538, 0.4937

Square

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



15.8233, 0.4581, 0.2755



15.8233, 0.4461, 0.4918



15.8233, 0.1770, 0.3706



15.8233, 0.1728, 0.1736

Rectangle

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



15.8233, 0.4581, 0.2755



15.8233, 0.5234, 0.3921



15.8233, 0.1770, 0.3706



15.8233, 0.1365, 0.2106

Sweetspot

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



15.8242, 0.4581, 0.2755



66.5710, 0.3395, 0.3117



13.5156, 0.2638, 0.1523



13.5543, 0.3442, 0.3092



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.



15.8242, 0.4581, 0.2755



23.6249, 0.5076, 0.2754



17.6689, 0.5156, 0.3525



10.1324, 0.3237, 0.3213



7.8064, 0.5606, 0.2862



0.3503, 0.4969, 0.2511

Inverse Universe

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



15.8242, 0.4581, 0.2755



23.6249, 0.5076, 0.2754



34.8896, 0.2270, 0.2975



10.1324, 0.3237, 0.3213



7.8064, 0.5606, 0.2862



0.3503, 0.4969, 0.2511

Previews

White Background



This preview shows how the Yxy color 15.8233, 0.4581, 0.2755 looks on a white background.

Color Contrast Check

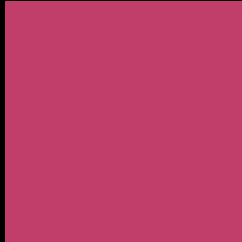
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8233, 0.4581, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

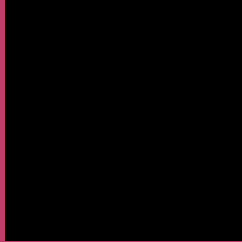
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8233, 0.4581, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 15.8233, 0.4581, 0.2755.



This preview shows how white text looks on a background with the Yxy color 15.8233, 0.4581, 0.2755.

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

15.8233, 0.4581, 0.2755

Protanopia

16.1543, 0.2799, 0.2838

Deuteranopia

15.9475, 0.3505, 0.3427



Tritanopia

15.8136, 0.5098, 0.3249

Trichromacy



Original Color

15.8233, 0.4581, 0.2755

Protanomaly

14.6872, 0.3360, 0.2736

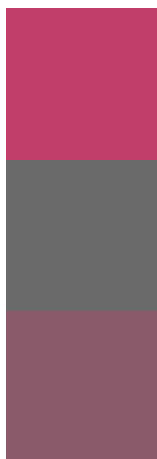
Deuteranomaly

15.0208, 0.3906, 0.3104

Tritanomaly

15.7588, 0.4929, 0.3067

Monochromacy



Original Color

15.8233, 0.4581, 0.2755

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.7562, 0.3647, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8233, 0.4581, 0.2755 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(193, 62, 106)` looks like.

```
.text, #text, p{  
  color:rgb(193, 62, 106)  
}
```

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(193, 62, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 62, 106) }
```

Border

The CSS property to change the border of an element to Yxy 15.8233, 0.4581, 0.2755 is called "border". The border property can be set on classes, ids or directly on the HTML element.

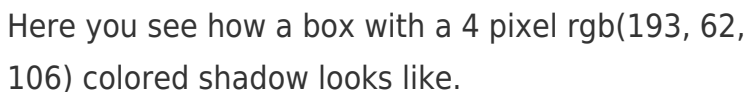
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 62, 106) }
```

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

```
.border{ border-color:rgb(193, 62, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 62, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 62, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 62, 106); box-shadow:4px 4px 4px 4px rgb(193, 62, 106) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8233, 0.4581, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 62, 106) }
```

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

```
.background{ background-color: rgb(193, 62,  
106) }
```

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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