

Converting Colors

$Y_{xy}(15.3620, 0.4515, 0.2730)$

Have a look what the booklet for
Yxy(15.3620, 0.4515, 0.2730)
contains.

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Color

Yxy(15.3256, 0.4511, 0.2726)

Conversions

Conversions Part 1

Format	Color
Hex	BD3E6B
RGB	189, 62, 107
RGB Percent	74%, 24%, 42%
CMY	0.2589, 0.7568, 0.5804
CMYK	0.00, 0.67, 0.43, 0.26
HSL	339°, 51%, 49%
HSV	339°, 67%, 74%
XYZ	25.3609, 15.3256, 15.5336
YIQ	105.1030, 61.2470, 40.9190

Conversions

Conversions Part 2

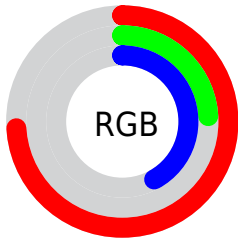
Format	Color
R_{YB}	189, 62, 107
Decimal	12402283
CIE _{Lab}	46.08, 54.32, 2.52
CIE _{LCh}	46, 54.379, 2.661
Yxy	15.3256, 0.4511, 0.2726
Android (android.graphics.Color)	4290592363 (0xFFBD3E6B)
YUV	105.1030, 0.9352, 73.5777
Hunter-Lab	39.1479, 47.1274, 3.8777

Details

The Yxy color **15.3256, 0.4511, 0.2726** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **39.4284, 0.2591, 0.4052**, and the grayscale version is **14.1432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3309, 0.4182, 0.2864**, and **5.1515, 0.5073, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **13.3766, 0.4841, 0.2709**, and if you desaturate by 10%, it is **18.0271, 0.4204, 0.2780**.

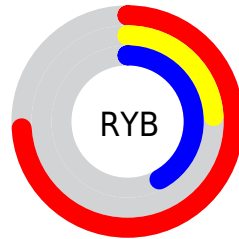
Distribution



Red (74%)

Green (24%)

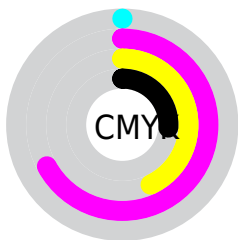
Blue (42%)



Red (74%)

Yellow (24%)

Blue (42%)

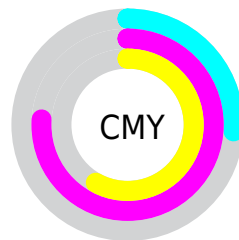


Cyan (0%)

Magenta (67%)

Yellow (43%)

Black (26%)



Cyan (26%)


Magenta (76%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3256, 0.4511, 0.2726 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 15.3256, 0.4511, 0.2726 by changing the saturation by 10% instead.


 15.3256, 0.4511,
0.2726


 15.3256, 0.4511,
0.2726


225.3286, 0.3697,
0.3063


 9.0482, 0.4766,
0.2617


 35.4234, 0.4180,
0.2865


 4.7726, 0.5131,
0.2460

 50.0126, 0.4067,
0.2912

 2.1145, 0.5689,
0.2215

 68.1411, 0.3975,
0.2950

 0.6728, 0.6739,
0.1785

 90.1935, 0.3900,
0.2980

 0.0000, 1.0000,
0.0000

 116.5540, 0.3837,
0.3006

 0.0000, 0.0000,
0.0000

147.6071, 0.3783,

0.3028

183.7372, 0.3737,
0.3047

■ 15.3256, 0.4511,
0.2726

■ 15.3256, 0.4511,
0.2726

■ 13.3766, 0.4841,
0.2709

■ 18.0271, 0.4204,
0.2780

■ 12.0982, 0.5173,
0.2738

■ 21.5466, 0.3932,
0.2857

■ 11.3801, 0.5481,
0.2815

■ 25.9454, 0.3698,
0.2948

■ 11.2221, 0.5564,
0.2839

■ 31.2782, 0.3502,
0.3043

■ 37.5951, 0.3341,
0.3137

■ 44.9426, 0.3208,
0.3228

■ 53.3644, 0.3099,
0.3313

■ 62.9016, 0.3010,
0.3392

■ 73.5930, 0.2936,
0.3465

Harmonies

Analogous

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



15.3256, 0.3395, 0.2171



15.3256, 0.4511, 0.2726



15.3256, 0.5187, 0.3398

Triad

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



15.3256, 0.4511, 0.2726



15.3256, 0.3578, 0.5334



15.3256, 0.1406, 0.1985

Complementary

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



15.3256, 0.4511, 0.2726



39.4284, 0.2591, 0.4052

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.



15.3256, 0.1427, 0.2636



15.3256, 0.4511, 0.2726



15.3256, 0.2597, 0.4966

Square

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



15.3256, 0.4511, 0.2726



15.3256, 0.4498, 0.4869



15.3256, 0.1816, 0.3775



15.3256, 0.1713, 0.1752

Rectangle

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



15.3256, 0.4511, 0.2726



15.3256, 0.5226, 0.3880



15.3256, 0.1816, 0.3775



15.3256, 0.1376, 0.2149

Sweetspot

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



15.3264, 0.4511, 0.2726



63.5979, 0.3388, 0.3108



12.9102, 0.2620, 0.1528



12.9877, 0.3433, 0.3082



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.3264, 0.4511, 0.2726



22.6497, 0.5012, 0.2717



16.7499, 0.5146, 0.3498



9.5907, 0.3234, 0.3209



7.5650, 0.5531, 0.2820



0.3089, 0.4859, 0.2450

Inverse Universe

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



15.3264, 0.4511, 0.2726



22.6497, 0.5012, 0.2717



34.2259, 0.2284, 0.3014



9.5907, 0.3234, 0.3209



7.5650, 0.5531, 0.2820



0.3089, 0.4859, 0.2450

Previews

White Background



This preview shows how the Yxy color 15.3256, 0.4511, 0.2726 looks on a white background.

Color Contrast Check

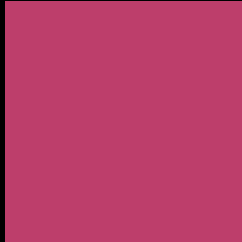
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3256, 0.4511, 0.2726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

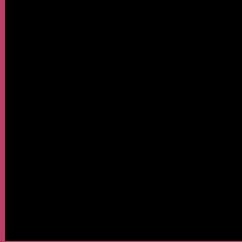
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3256, 0.4511, 0.2726

Background



This preview shows how black text looks on a background with the Yxy color 15.3256, 0.4511, 0.2726.



This preview shows how white text looks on a background with the Yxy color 15.3256, 0.4511, 0.2726.

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

15.3256, 0.4511, 0.2726

Protanopia

15.6296, 0.2762, 0.2776

Deuteranopia

15.5327, 0.3451, 0.3390



Tritanopia

15.3155, 0.5039, 0.3234

Trichromacy



Original Color

15.3256, 0.4511, 0.2726

Protanomaly

14.2859, 0.3303, 0.2693

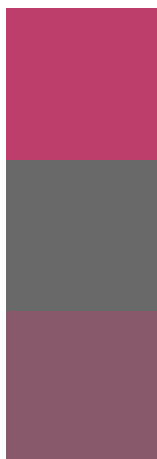
Deuteranomaly

14.5875, 0.3849, 0.3065

Tritanomaly

15.2597, 0.4864, 0.3046

Monochromacy



Original Color

15.3256, 0.4511, 0.2726

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.4196, 0.3619, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3256, 0.4511, 0.2726 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(189, 62, 107)` looks like.

```
.text, #text, p{  
  color:rgb(189, 62, 107)  
}
```

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(189, 62, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 62, 107) }
```

Border

The CSS property to change the border of an element to Yxy 15.3256, 0.4511, 0.2726 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(189, 62, 107) }
```

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

```
.border{ border-color:rgb(189, 62, 107) }
```

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

Here you see how a box with a 4 pixel rgb(189, 62, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 62, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 62, 107);  
box-shadow:4px 4px 4px 4px rgb(189, 62,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3256, 0.4511, 0.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 62, 107) }
```

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

```
.background{ background-color: rgb(189, 62,  
107) }
```

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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