

Converting Colors

$Y_{xy}(16.3119, 0.4574, 0.2863)$

Have a look what the booklet for
Yxy(16.3119, 0.4574, 0.2863)
contains.

Yxy(16.3119, 0.4574, 0.2863)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3119, 0.4574, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	BF4567
RGB	191, 69, 103
RGB Percent	75%, 27%, 40%
CMY	0.2510, 0.7293, 0.5961
CMYK	0.00, 0.64, 0.46, 0.25
HSL	343°, 49%, 51%
HSV	343°, 64%, 75%
XYZ	26.0603, 16.3119, 14.6027
YIQ	109.3540, 61.7980, 36.4380

Conversions

Conversions Part 2

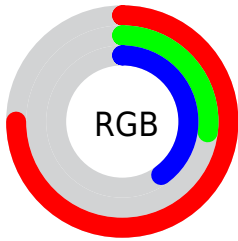
Format	Color
R_{YB}	191, 69, 103
Decimal	12535143
CIE _{Lab}	47.38, 51.63, 6.90
CIE _{LCh}	47, 52.091, 7.617
Yxy	16.3119, 0.4574, 0.2863
Android (android.graphics.Color)	4290725223 (0xFFBF4567)
YUV	109.3540, -3.1325, 71.6035
Hunter-Lab	40.3880, 44.4979, 6.8347

Details

The Yxy color **16.3119, 0.4574, 0.2863** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **40.9597, 0.2551, 0.3845**, and the grayscale version is **15.3961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0082, 0.4228, 0.2969**, and **5.2721, 0.5227, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **14.0744, 0.4943, 0.2847**, and if you desaturate by 10%, it is **19.3529, 0.4235, 0.2908**.

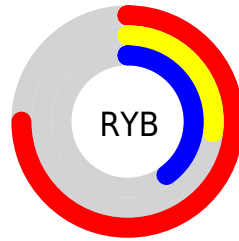
Distribution



Red (75%)

Green (27%)

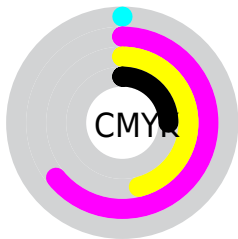
Blue (40%)



Red (75%)

Yellow (27%)

Blue (40%)

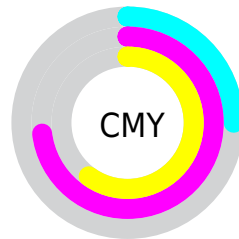


Cyan (0%)

Magenta (64%)

Yellow (46%)

Black (25%)



Cyan (25%)


Magenta (73%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3119, 0.4574, 0.2863 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 16.3119, 0.4574, 0.2863 by changing the saturation by 10% instead.


 16.3119, 0.4574,
0.2863


 16.3119, 0.4574,
0.2863


231.1752, 0.3726,
0.3128


 9.7451, 0.4838,
0.2773


 37.1388, 0.4230,
0.2975


 5.2303, 0.5212,
0.2639

 52.1678, 0.4112,
0.3012


 2.3830, 0.5779,
0.2423

 70.7863, 0.4017,
0.3042

 0.8171, 0.6874,
0.2087

 93.3786, 0.3938,
0.3065

 0.0000, 1.0000,
0.0000

 120.3293, 0.3872,
0.3085

 0.0000, 0.0000,
0.0000

152.0227, 0.3816,

0.3102

188.8432, 0.3768,
0.3116

■ 16.3119, 0.4574,
0.2863

■ 16.3119, 0.4574,
0.2863

■ 14.0744, 0.4943,
0.2847

■ 19.3529, 0.4235,
0.2908

■ 12.5598, 0.5316,
0.2871

■ 23.2623, 0.3939,
0.2972

■ 11.6756, 0.5657,
0.2939

■ 28.1015, 0.3689,
0.3045

■ 11.3343, 0.5843,
0.2992

■ 33.9255, 0.3481,
0.3120

■ 40.7849, 0.3312,
0.3194

■ 48.7270, 0.3173,
0.3264

■ 57.7960, 0.3061,
0.3329

■ 68.0338, 0.2969,
0.3389

■ 79.4800, 0.2894,
0.3444

Harmonies

Analogous

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



16.3119, 0.3562, 0.2303



16.3119, 0.4574, 0.2863



16.3119, 0.5108, 0.3524

Triad

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



16.3119, 0.4574, 0.2863



16.3119, 0.3418, 0.5213



16.3119, 0.1512, 0.1994

Complementary

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



16.3119, 0.4574, 0.2863



40.9597, 0.2551, 0.3845

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.



16.3119, 0.1482, 0.2548



16.3119, 0.4574, 0.2863



16.3119, 0.2496, 0.4699

Square

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



16.3119, 0.4574, 0.2863



16.3119, 0.4315, 0.4902



16.3119, 0.1801, 0.3552



16.3119, 0.1862, 0.1818

Rectangle

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



16.3119, 0.4574, 0.2863



16.3119, 0.5080, 0.3993



16.3119, 0.1801, 0.3552



16.3119, 0.1466, 0.2131

Sweetspot

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



16.3128, 0.4574, 0.2863



66.1369, 0.3400, 0.3154



15.1309, 0.2773, 0.1657



13.7644, 0.3451, 0.3133



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.



16.3128, 0.4574, 0.2863



23.8775, 0.5107, 0.2852



19.7702, 0.4897, 0.3627



9.5789, 0.3246, 0.3226



7.4613, 0.5808, 0.2973



0.3038, 0.5103, 0.2585

Inverse Universe

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



16.3128, 0.4574, 0.2863



23.8775, 0.5107, 0.2852



31.7808, 0.2271, 0.2860



9.5789, 0.3246, 0.3226



7.4613, 0.5808, 0.2973



0.3038, 0.5103, 0.2585

Previews

White Background



This preview shows how the Yxy color 16.3119, 0.4574, 0.2863 looks on a white background.

Color Contrast Check

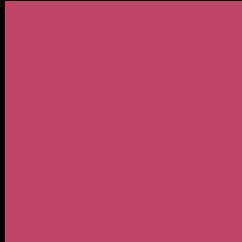
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3119, 0.4574, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

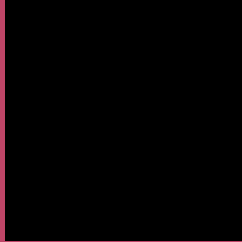
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3119, 0.4574, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 16.3119, 0.4574, 0.2863.

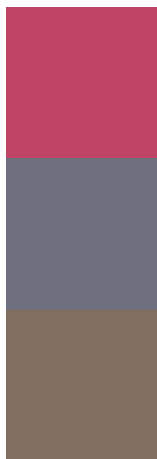


This preview shows how white text looks on a background with the Yxy color 16.3119, 0.4574, 0.2863.

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

16.3119, 0.4574, 0.2863

Protanopia

16.5002, 0.2937, 0.2995

Deuteranopia

16.5462, 0.3582, 0.3521



Tritanopia

16.2809, 0.4934, 0.3233

Trichromacy



Original Color

16.3119, 0.4574, 0.2863

Protanomaly

15.2492, 0.3471, 0.2897

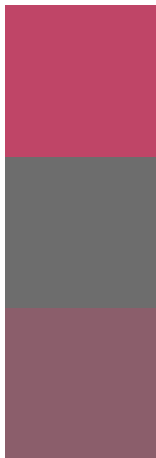
Deuteranomaly

15.5817, 0.3953, 0.3207

Tritanomaly

16.2865, 0.4809, 0.3094

Monochromacy



Original Color

16.3119, 0.4574, 0.2863

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.5559, 0.3630, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3119, 0.4574, 0.2863 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, 69, 103)` looks like.

```
.text, #text, p{  
    color:rgb(191, 69, 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(191, 69, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 69, 103) }
```

Border

The CSS property to change the border of an element to Yxy 16.3119, 0.4574, 0.2863 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, 69, 103) }
```

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

```
.border{ border-color:rgb(191, 69, 103) }
```

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

Here you see how a box with a 4 pixel rgb(191, 69, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 69, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 69, 103);  
box-shadow:4px 4px 4px 4px rgb(191, 69,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3119, 0.4574, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 69, 103) }
```

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

```
.background{ background-color: rgb(191, 69,  
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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