

Converting Colors

$Y_{xy}(15.8261, 0.4185, 0.2768)$

Have a look what the booklet for
Yxy(15.8261, 0.4185, 0.2768)
contains.

Yxy(15.8261, 0.4185, 0.2768)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8261, 0.4185, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	B24C71
RGB	178, 76, 113
RGB Percent	70%, 30%, 44%
CMY	0.3019, 0.7020, 0.5568
CMYK	0.00, 0.57, 0.37, 0.30
HSL	338°, 40%, 50%
HSV	338°, 57%, 70%
XYZ	23.9278, 15.8261, 17.4213
YIQ	110.7160, 48.9150, 33.1310

Conversions

Conversions Part 2

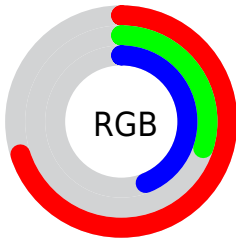
Format	Color
R_{YB}	178, 76, 113
Decimal	11684977
CIE _{Lab}	46.75, 45.26, -0.39
CIE _{LCh}	47, 45.259, 359.500
Yxy	15.8261, 0.4185, 0.2768
Android (android.graphics.Color)	4289875057 (0xFFB24C71)
YUV	110.7160, 1.1260, 59.0081
Hunter-Lab	39.7820, 37.7444, 1.8832

Details

The Yxy color **15.8261, 0.4185, 0.2768** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **35.3042, 0.2641, 0.3933**, and the grayscale version is **15.7960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4217, 0.3934, 0.2891**, and **5.0195, 0.4678, 0.2544** is the 20% darker color. If you saturate the color by 10%, you get **13.4647, 0.4485, 0.2712**, and if you desaturate by 10%, it is **18.8995, 0.3918, 0.2848**.

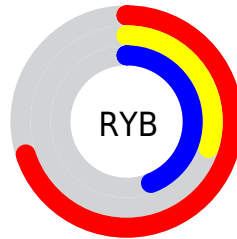
Distribution



Red (70%)

Green (30%)

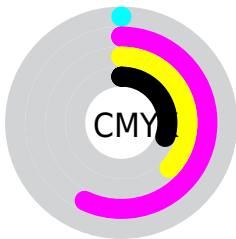
Blue (44%)



Red (70%)

Yellow (30%)

Blue (44%)

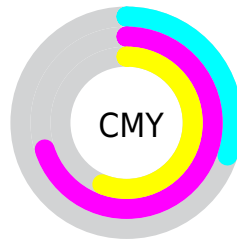


Cyan (0%)

Magenta (57%)

Yellow (37%)

Black (30%)



Cyan (30%)


Magenta (70%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8261, 0.4185, 0.2768 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 15.8261, 0.4185, 0.2768 by changing the saturation by 10% instead.


 15.8261, 0.4185,
0.2768


 15.8261, 0.4185,
0.2768


228.3134, 0.3566,
0.3073


 9.4012, 0.4379,
0.2673


 36.2960, 0.3933,
0.2892


 5.0038, 0.4658,
0.2536

 51.1099, 0.3847,
0.2934

 2.2495, 0.5090,
0.2325

 69.4888, 0.3778,
0.2968

 0.7468, 0.5850,
0.1952

 91.8171, 0.3720,
0.2997

 0.0000, 1.0000,
0.0000

 118.4794, 0.3672,
0.3020

 0.0000, 0.0000,
0.0000

149.8599, 0.3631,

0.3041

186.3431, 0.3596,
0.3058

■ 15.8261, 0.4185,
0.2768

■ 15.8261, 0.4185,
0.2768

■ 13.4647, 0.4485,
0.2712

■ 18.8995, 0.3918,
0.2848

■ 11.7543, 0.4809,
0.2692

■ 22.7346, 0.3690,
0.2940

■ 10.6274, 0.5135,
0.2719

■ 27.3794, 0.3498,
0.3037

■ 9.9834, 0.5440,
0.2793

■ 32.8771, 0.3339,
0.3133

■ 9.8434, 0.5520,
0.2815

■ 39.2680, 0.3208,
0.3226

■ 46.5896, 0.3100,
0.3313

■ 54.8776, 0.3012,
0.3393

■ 64.1654, 0.2940,
0.3467

■ 74.4851, 0.2881,
0.3535

Harmonies

Analogous

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



15.8261, 0.3263, 0.2292



15.8261, 0.4185, 0.2768



15.8261, 0.4805, 0.3362

Triad

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



15.8261, 0.4185, 0.2768



15.8261, 0.3646, 0.4965



15.8261, 0.1629, 0.2237

Complementary

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



15.8261, 0.4185, 0.2768



35.3042, 0.2641, 0.3933

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.



15.8261, 0.1692, 0.2855



15.8261, 0.4185, 0.2768



15.8261, 0.2800, 0.4700

Square

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



15.8261, 0.4185, 0.2768



15.8261, 0.4401, 0.4611



15.8261, 0.2090, 0.3809



15.8261, 0.1873, 0.1979

Rectangle

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



15.8261, 0.4185, 0.2768



15.8261, 0.4905, 0.3787



15.8261, 0.2090, 0.3809



15.8261, 0.1615, 0.2400

Sweetspot

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



15.8269, 0.4185, 0.2768



59.6291, 0.3338, 0.3133



14.0109, 0.2718, 0.1768



12.7461, 0.3367, 0.3115



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.



15.8269, 0.4185, 0.2768



23.4034, 0.4577, 0.2702



17.2323, 0.4709, 0.3484



8.5546, 0.3232, 0.3208



7.0532, 0.5491, 0.2798



0.2334, 0.4717, 0.2372

Inverse Universe

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



15.8269, 0.4185, 0.2768



23.4034, 0.4577, 0.2702



31.4485, 0.2372, 0.3061



8.5546, 0.3232, 0.3208



7.0532, 0.5491, 0.2798



0.2334, 0.4717, 0.2372

Previews

White Background



This preview shows how the Yxy color 15.8261, 0.4185, 0.2768 looks on a white background.

Color Contrast Check

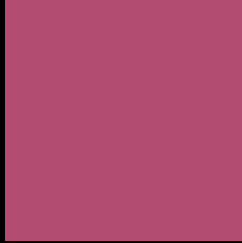
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8261, 0.4185, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

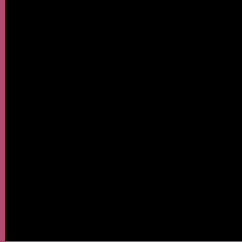
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8261, 0.4185, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 15.8261, 0.4185, 0.2768.



This preview shows how white text looks on a background with the Yxy color 15.8261, 0.4185, 0.2768.

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

15.8261, 0.4185, 0.2768

Protanopia

15.9373, 0.2798, 0.2818

Deuteranopia

16.0188, 0.3336, 0.3291



Tritanopia

15.8031, 0.4582, 0.3209

Trichromacy



Original Color

15.8261, 0.4185, 0.2768

Protanomaly

15.1473, 0.3237, 0.2778

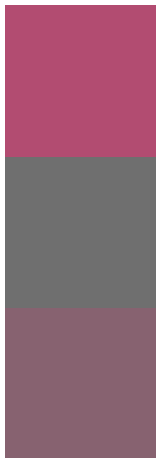
Deuteranomaly

15.3312, 0.3636, 0.3042

Tritanomaly

15.7836, 0.4454, 0.3052

Monochromacy



Original Color

15.8261, 0.4185, 0.2768

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.0561, 0.3480, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8261, 0.4185, 0.2768 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(178, 76, 113)` looks like.

```
.text, #text, p{  
    color:rgb(178, 76, 113)  
}
```

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(178, 76, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 76, 113) }
```

Border

The CSS property to change the border of an element to Yxy 15.8261, 0.4185, 0.2768 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(178, 76, 113) }
```

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

```
.border{ border-color:rgb(178, 76, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 76, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 76, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 76, 113);  
box-shadow:4px 4px 4px 4px rgb(178, 76,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8261, 0.4185, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 76, 113) }
```

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

```
.background{ background-color: rgb(178, 76,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor