

Converting Colors

$Y_{xy}(47.6099, 0.2939, 0.2917)$

Have a look what the booklet for
Yxy(47.6099, 0.2939, 0.2917)
contains.

Yxy(47.6099, 0.2939, 0.2917)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6099, 0.2939, 0.2917)

Conversions

Conversions Part 1

Format	Color
Hex	B9B4D2
RGB	185, 180, 210
RGB Percent	73%, 71%, 82%
CMY	0.2744, 0.2942, 0.1765
CMYK	0.12, 0.14, 0.00, 0.18
HSL	250°, 25%, 76%
HSV	250°, 14%, 82%
XYZ	47.9690, 47.6099, 67.6364
YIQ	184.9150, -6.6500, 10.3900

Conversions

Conversions Part 2

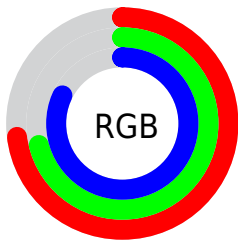
Format	Color
R_{YB}	185, 180, 210
Decimal	12170450
CIE _{Lab}	74.58, 7.66, -14.48
CIE _{LCh}	75, 16.382, 297.889
Yxy	47.6099, 0.2939, 0.2917
Android (android.graphics.Color)	4290360530 (0xFFB9B4D2)
YUV	184.9150, 12.3669, 0.0745
Hunter-Lab	68.9999, 3.3439, -9.8184

Details

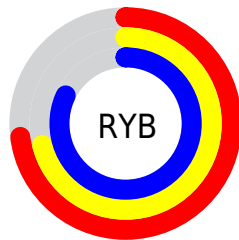
The Yxy color $47.6099, 0.2939, 0.2917$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $62.3632, 0.3300, 0.3646$, and the grayscale version is $48.4026, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.9117, 0.3044, 0.3102$, and $22.4508, 0.2892, 0.2820$ is the 20% darker color. If you saturate the color by 10%, you get $37.7247, 0.2785, 0.2621$, and if you desaturate by 10%, it is $59.0506, 0.3075, 0.3184$.

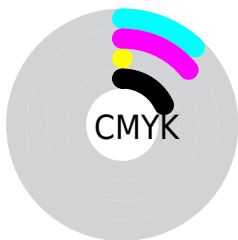
Distribution



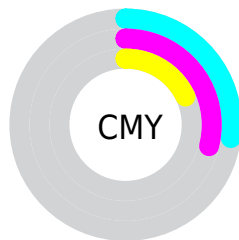
- Red (73%)
- Green (71%)
- Blue (82%)



- Red (73%)
- Yellow (71%)
- Blue (82%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)



- Cyan (27%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6099, 0.2939, 0.2917 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 47.6099, 0.2939, 0.2917 by changing the saturation by 10% instead.

■ 47.6099, 0.2939,
0.2917

■ 47.6099, 0.2939,
0.2917

377.2438, 0.3033,
0.3099

■ 33.5181, 0.2915,
0.2873

■ 86.6233, 0.2973,
0.2982

■ 22.5236, 0.2885,
0.2817

112.3137, 0.2986,
0.3007

■ 14.2421, 0.2845,
0.2744

142.6390, 0.2997,
0.3028

■ 8.2893, 0.2789,
0.2645

177.9836, 0.3007,
0.3046

■ 4.2806, 0.2705,
0.2503

218.7321, 0.3015,
0.3062

■ 1.8317, 0.2570,
0.2283

265.2686, 0.3022,

■ 0.5068, 0.2328,

0.3076

0.1764

317.9777, 0.3028,
0.3088

0.0000, 0.0000,
0.0000

47.6099, 0.2939,
0.2917

47.6099, 0.2939,
0.2917

37.7247, 0.2785,
0.2621

59.0506, 0.3075,
0.3184

29.3217, 0.2613,
0.2299

72.1039, 0.3192,
0.3422

22.3308, 0.2427,
0.1963

86.8314, 0.3293,
0.3631

16.6737, 0.2233,
0.1626

97.4165, 0.3393,
0.3731

12.2642, 0.2043,
0.1308

97.4334, 0.3394,
0.3731

■ 9.0064, 0.1868,
0.1034

■ 6.7896, 0.1722,
0.0823

■ 5.4807, 0.1614,
0.0688

■ 5.0165, 0.1569,
0.0638

Harmonies

Analogous

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



47.6099, 0.2771, 0.2929



47.6099, 0.2939, 0.2917



47.6099, 0.3163, 0.2997

Triad

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



47.6099, 0.2939, 0.2917



47.6099, 0.3577, 0.3522



47.6099, 0.2870, 0.3434

Complementary

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



47.6099, 0.2939, 0.2917



62.3632, 0.3300, 0.3646

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.



47.6099, 0.3079, 0.3611



47.6099, 0.2939, 0.2917



47.6099, 0.3490, 0.3655

Square

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



47.6099, 0.2939, 0.2917



47.6099, 0.3538, 0.3337



47.6099, 0.3306, 0.3692



47.6099, 0.2732, 0.3220

Rectangle

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



47.6099, 0.2939, 0.2917



47.6099, 0.3315, 0.3092



47.6099, 0.3306, 0.3692



47.6099, 0.2934, 0.3501

Sweetspot

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



47.6119, 0.2939, 0.2917



92.0901, 0.3078, 0.3191



58.0195, 0.2909, 0.3228



19.4025, 0.3068, 0.3171



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.



47.6119, 0.2939, 0.2917



69.1833, 0.2896, 0.2834



49.5719, 0.3061, 0.2930



11.5119, 0.3008, 0.3051



3.0897, 0.1578, 0.0643



0.2030, 0.1737, 0.0730

Inverse Universe

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



50.7471, 0.3184, 0.2997



74.9313, 0.3197, 0.2936



60.3370, 0.3185, 0.3659



11.9735, 0.3163, 0.3099



10.2509, 0.3683, 0.1802



0.5824, 0.3581, 0.1747

Previews

White Background



This preview shows how the Yxy color 47.6099, 0.2939, 0.2917 looks on a white background.

Color Contrast Check

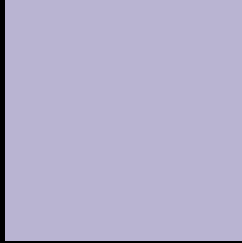
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 47.6099, 0.2939, 0.2917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

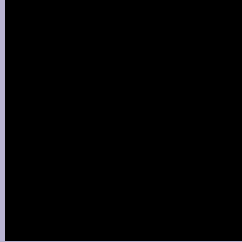
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6099, 0.2939, 0.2917

Background



This preview shows how black text looks on a background with the Yxy color 47.6099, 0.2939, 0.2917.



This preview shows how white text looks on a background with the Yxy color 47.6099, 0.2939, 0.2917.

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

47.6099, 0.2939, 0.2917

Protanopia

47.6240, 0.2877, 0.2925

Deuteranopia

47.7122, 0.2971, 0.2908



Tritanopia

47.5544, 0.3020, 0.3099

Trichromacy



Original Color

47.6099, 0.2939, 0.2917

Protanomaly

47.5747, 0.2900, 0.2915

Deuteranomaly

47.5847, 0.2963, 0.2907

Tritanomaly

47.5024, 0.2990, 0.3025

Monochromacy



Original Color

47.6099, 0.2939, 0.2917

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.0763, 0.3059, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6099, 0.2939, 0.2917 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(185, 180, 210)` looks like.

```
.text, #text, p{  
    color:rgb(185, 180, 210)  
}
```

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(185, 180, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 180, 210) }
```

Border

The CSS property to change the border of an element to Yxy 47.6099, 0.2939, 0.2917 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(185, 180, 210) }
```

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

```
.border{ border-color:rgb(185, 180, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 180, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 180, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 180, 210);  
box-shadow:4px 4px 4px 4px rgb(185, 180,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6099, 0.2939, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 180, 210) }
```

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

```
.background{ background-color: rgb(185,  
180, 210) }
```

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