

Converting Colors

$Y_{xy}(47.4712, 0.2911, 0.3109)$

Have a look what the booklet for
Yxy(47.4712, 0.2911, 0.3109)
contains.

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Color

Yxy(47.4794, 0.2909, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	ABB9C7
RGB	171, 185, 199
RGB Percent	67%, 73%, 78%
CMY	0.3297, 0.2744, 0.2197
CMYK	0.14, 0.07, 0.00, 0.22
HSL	210°, 20%, 73%
HSV	210°, 14%, 78%
XYZ	44.4394, 47.4794, 60.8463
YIQ	182.4100, -12.8380, 1.3860

Conversions

Conversions Part 2

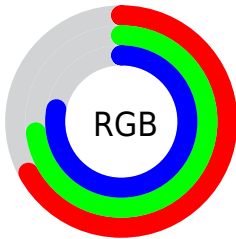
Format	Color
R_{YB}	171, 180, 199
Decimal	11254215
CIE _{Lab}	74.50, -1.99, -8.71
CIE _{LCh}	74, 8.935, 257.107
Yxy	47.4794, 0.2909, 0.3108
Android (android.graphics.Color)	4289444295 (0xFFABB9C7)
YUV	182.4100, 8.1789, -10.0066
Hunter-Lab	68.9053, -5.4635, -4.1219

Details

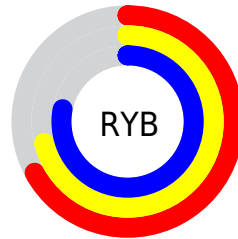
The Yxy color **47.4794, 0.2909, 0.3108** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7305, 0.3360, 0.3466**, and the grayscale version is **46.9689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2993, 0.2950, 0.3148**, and **22.4688, 0.2855, 0.3059** is the 20% darker color. If you saturate the color by 10%, you get **41.4131, 0.2748, 0.2962**, and if you desaturate by 10%, it is **54.1746, 0.3065, 0.3240**.

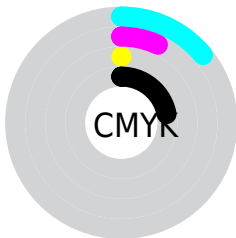
Distribution



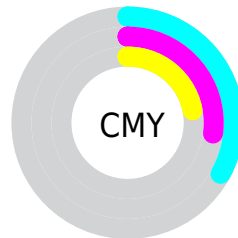
- Red (67%)
- Green (73%)
- Blue (78%)



- Red (67%)
- Yellow (71%)
- Blue (78%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4794, 0.2909, 0.3108 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 47.4794, 0.2909, 0.3108 by changing the saturation by 10% instead.

■ 47.4794, 0.2909,
0.3108

■ 47.4794, 0.2909,
0.3108

376.7249, 0.3017,
0.3199

■ 33.4148, 0.2882,
0.3085

■ 86.4288, 0.2948,
0.3141

■ 22.4444, 0.2848,
0.3056

112.0823, 0.2963,
0.3153

■ 14.1838, 0.2803,
0.3018

142.3677, 0.2975,
0.3164

■ 8.2486, 0.2740,
0.2964

177.6692, 0.2986,
0.3173

■ 4.2544, 0.2648,
0.2884

218.3713, 0.2995,
0.3181

■ 1.8169, 0.2499,
0.2753

264.8583, 0.3004,

■ 0.4977, 0.2035,

0.3188

0.2387

317.5147, 0.3011,
0.3194

0.0000, 0.0000,
0.0000

47.4794, 0.2909,
0.3108

47.4794, 0.2909,
0.3108

41.4131, 0.2748,
0.2962

54.1746, 0.3065,
0.3240

35.9489, 0.2585,
0.2801

61.5124, 0.3214,
0.3358

31.0666, 0.2424,
0.2627

69.5137, 0.3356,
0.3462

26.7426, 0.2270,
0.2443

78.1962, 0.3488,
0.3554

22.9511, 0.2126,
0.2251

84.5337, 0.3501,
0.3648

■ 19.6637, 0.1999,
0.2057

■ 90.3476, 0.3481,
0.3742

■ 16.8485, 0.1894,
0.1865

■ 96.4819, 0.3461,
0.3834

■ 14.4680, 0.1812,
0.1681

■ 96.9029, 0.3460,
0.3840

■ 13.2309, 0.1772,
0.1577

Harmonies

Analogous

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



47.4794, 0.2889, 0.3186



47.4794, 0.2909, 0.3108



47.4794, 0.2986, 0.3079

Triad

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



47.4794, 0.2909, 0.3108



47.4794, 0.3327, 0.3280



47.4794, 0.3148, 0.3485

Complementary

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



47.4794, 0.2909, 0.3108



49.7305, 0.3360, 0.3466

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.



47.4794, 0.3267, 0.3507



47.4794, 0.2909, 0.3108



47.4794, 0.3371, 0.3386

Square

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



47.4794, 0.2909, 0.3108



47.4794, 0.3227, 0.3178



47.4794, 0.3349, 0.3470



47.4794, 0.3025, 0.3406

Rectangle

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



47.4794, 0.2909, 0.3108



47.4794, 0.3061, 0.3091



47.4794, 0.3349, 0.3470



47.4794, 0.3190, 0.3499

Sweetspot

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



47.4814, 0.2909, 0.3108



94.9207, 0.3066, 0.3241



52.9722, 0.3014, 0.3478



20.1169, 0.3054, 0.3231



0.0000, 0.0000, 0.0000



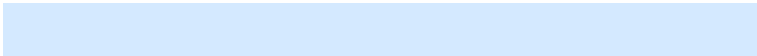
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4814, 0.2909, 0.3108



79.6856, 0.2859, 0.3063



42.0491, 0.2903, 0.2926



11.1532, 0.2983, 0.3172



8.6843, 0.1778, 0.1601



0.5561, 0.1883, 0.1979

Inverse Universe

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



44.7434, 0.3261, 0.3114



74.0799, 0.3296, 0.3073



55.7039, 0.3337, 0.3630



10.7243, 0.3212, 0.3175



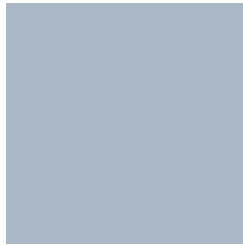
8.4167, 0.4930, 0.2489



0.4132, 0.4477, 0.2240

Previews

White Background



This preview shows how the Yxy color 47.4794, 0.2909, 0.3108 looks on a white background.

Color Contrast Check

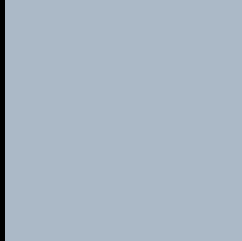
Large Text (above 18pt) WCAG AA × Fail

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 47.4794, 0.2909, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

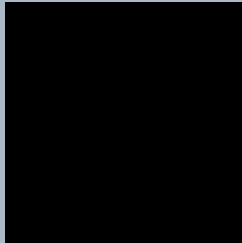
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

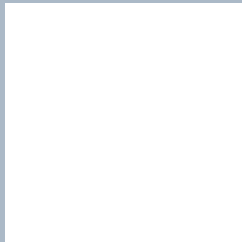
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4794, 0.2909, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 47.4794, 0.2909, 0.3108.

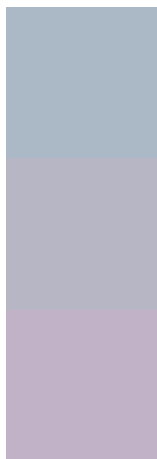


This preview shows how white text looks on a background with the Yxy color 47.4794, 0.2909, 0.3108.

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

47.4794, 0.2909, 0.3108

Protanopia

47.4322, 0.3011, 0.3099

Deuteranopia

47.3484, 0.3080, 0.3017



Tritanopia

47.5260, 0.2902, 0.3095

Trichromacy



Original Color

47.4794, 0.2909, 0.3108

Protanomaly

47.4092, 0.2972, 0.3097

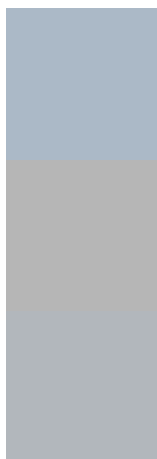
Deuteranomaly

47.5322, 0.3013, 0.3050

Tritanomaly

47.5260, 0.2902, 0.3095

Monochromacy



Original Color

47.4794, 0.2909, 0.3108

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9628, 0.3047, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4794, 0.2909, 0.3108 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(171, 185, 199)` looks like.

```
.text, #text, p{  
    color:rgb(171, 185, 199)  
}
```

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(171, 185, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 185, 199) }
```

Border

The CSS property to change the border of an element to Yxy 47.4794, 0.2909, 0.3108 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(171, 185, 199) }
```

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

```
.border{ border-color:rgb(171, 185, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 185, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 185, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 185, 199);  
box-shadow:4px 4px 4px 4px rgb(171, 185,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4794, 0.2909, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 185, 199) }
```

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

```
.background{ background-color: rgb(171,  
185, 199) }
```

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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