

Converting Colors

$Y_{xy}(47.7388, 0.2928, 0.3163)$

Have a look what the booklet for
Yxy(47.7388, 0.2928, 0.3163)
contains.

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Color

Yxy(47.6494, 0.2924, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	AABAC4
RGB	170, 186, 196
RGB Percent	67%, 73%, 77%
CMY	0.3332, 0.2706, 0.2315
CMYK	0.13, 0.05, 0.00, 0.23
HSL	203°, 18%, 72%
HSV	203°, 13%, 77%
XYZ	44.1047, 47.6494, 59.0828
YIQ	182.3560, -12.7460, -0.2820

Conversions

Conversions Part 2

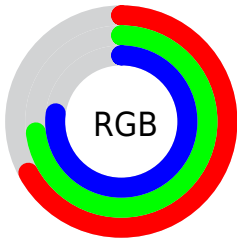
Format	Color
RYB	170, 180, 196
Decimal	11188932
CIELab	74.60, -3.44, -6.92
CIELCh	75, 7.722, 243.588
Yxy	47.6494, 0.2924, 0.3159
Android (android.graphics.Color)	4289379012 (0xFFAABAC4)
YUV	182.3560, 6.7265, -10.8362
Hunter-Lab	69.0285, -6.7501, -2.4275

Details

The Yxy color **47.6494, 0.2924, 0.3159** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2890, 0.3349, 0.3418**, and the grayscale version is **46.9550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6037, 0.2955, 0.3178**, and **22.5796, 0.2874, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **42.5323, 0.2768, 0.3048**, and if you desaturate by 10%, it is **53.2639, 0.3078, 0.3260**.

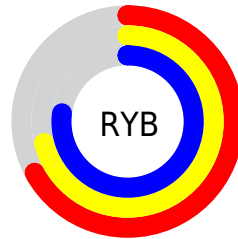
Distribution



Red (67%)

Green (73%)

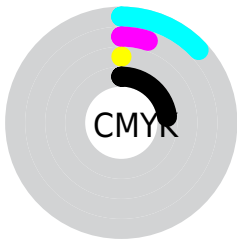
Blue (77%)



Red (67%)

Yellow (71%)

Blue (77%)

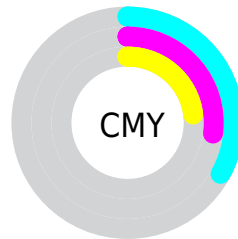


Cyan (13%)

Magenta (5%)

Yellow (0%)

Black (23%)



Cyan (33%)

Magenta (27%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6494, 0.2924, 0.3159 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 47.6494, 0.2924, 0.3159 by changing the saturation by 10% instead.

■ 47.6494, 0.2924,
0.3159

■ 47.6494, 0.2924,
0.3159

■ 377.4007, 0.3025,
0.3225

■ 33.5493, 0.2899,
0.3143

■ 86.6822, 0.2960,
0.3183

■ 22.5476, 0.2867,
0.3121

■ 112.3836, 0.2974,
0.3192

■ 14.2598, 0.2825,
0.3093

■ 142.7211, 0.2986,
0.3200

■ 8.3016, 0.2767,
0.3053

■ 178.0788, 0.2996,
0.3206

■ 4.2885, 0.2681,
0.2994

■ 218.8412, 0.3004,
0.3212

■ 1.8362, 0.2543,
0.2895

■ 265.3928, 0.3012,

■ 0.5096, 0.2053,

0.3217

0.2613

318.1178, 0.3019,
0.3221

0.0000, 0.0000,
0.0000

47.6494, 0.2924,
0.3159

47.6494, 0.2924,
0.3159

42.5323, 0.2768,
0.3048

53.2639, 0.3078,
0.3260

37.8896, 0.2614,
0.2926

59.3858, 0.3228,
0.3350

33.7054, 0.2464,
0.2796

66.0321, 0.3373,
0.3430

29.9602, 0.2323,
0.2657

73.2175, 0.3511,
0.3501

26.6328, 0.2195,
0.2512

78.3996, 0.3545,
0.3573

■ 23.6998, 0.2083,
0.2364

■ 82.5374, 0.3528,
0.3647

■ 21.1346, 0.1991,
0.2215

■ 86.8573, 0.3512,
0.3720

■ 18.9055, 0.1920,
0.2069

■ 91.3614, 0.3496,
0.3791

■ 17.5502, 0.1881,
0.1972

■ 96.0519, 0.3480,
0.3860

Harmonies

Analogous

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



47.6494, 0.2931, 0.3242



47.6494, 0.2924, 0.3159



47.6494, 0.2970, 0.3113

Triad

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



47.6494, 0.2924, 0.3159



47.6494, 0.3265, 0.3240



47.6494, 0.3194, 0.3473

Complementary

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



47.6494, 0.2924, 0.3159



47.2890, 0.3349, 0.3418

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.



47.6494, 0.3285, 0.3469



47.6494, 0.2924, 0.3159



47.6494, 0.3327, 0.3333

Square

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



47.6494, 0.2924, 0.3159



47.6494, 0.3166, 0.3160



47.6494, 0.3335, 0.3417



47.6494, 0.3086, 0.3425

Rectangle

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



47.6494, 0.2924, 0.3159



47.6494, 0.3025, 0.3109



47.6494, 0.3335, 0.3417



47.6494, 0.3228, 0.3478

Sweetspot

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



47.6514, 0.2924, 0.3159



95.6373, 0.3065, 0.3252



51.3151, 0.3039, 0.3500



20.2983, 0.3054, 0.3244



0.0000, 0.0000, 0.0000



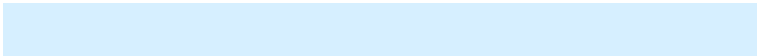
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6514, 0.2924, 0.3159



83.4534, 0.2877, 0.3127



42.4489, 0.2919, 0.2986



10.7562, 0.2984, 0.3199



11.4504, 0.1887, 0.1992



0.6249, 0.1976, 0.2314

Inverse Universe

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



44.0433, 0.3227, 0.3089



75.7040, 0.3253, 0.3042



52.7551, 0.3328, 0.3577



10.1797, 0.3195, 0.3149



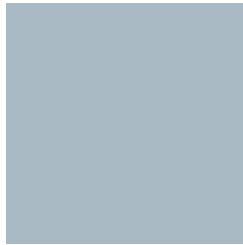
8.4382, 0.4462, 0.2232



0.3777, 0.4112, 0.2039

Previews

White Background



This preview shows how the Yxy color 47.6494, 0.2924, 0.3159 looks on a white background.

Color Contrast Check

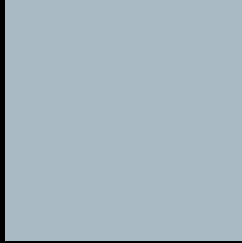
Large Text (above 18pt) WCAG AA × Fail

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 47.6494, 0.2924, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

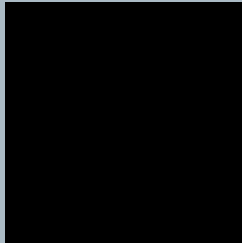
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

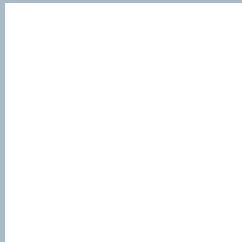
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6494, 0.2924, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 47.6494, 0.2924, 0.3159.



This preview shows how white text looks on a background with the Yxy color 47.6494, 0.2924, 0.3159.

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

47.6494, 0.2924, 0.3159

Protanopia

47.5413, 0.3051, 0.3137

Deuteranopia

47.5201, 0.3113, 0.3043



Tritanopia

47.5260, 0.2902, 0.3095

Trichromacy



Original Color

47.6494, 0.2924, 0.3159

Protanomaly

47.3908, 0.3002, 0.3135

Deuteranomaly

47.5181, 0.3044, 0.3088

Tritanomaly

47.4794, 0.2909, 0.3108

Monochromacy



Original Color

47.6494, 0.2924, 0.3159

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9198, 0.3054, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6494, 0.2924, 0.3159 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(170, 186, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 186, 196)  
}
```

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(170, 186, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 186, 196) }
```

Border

The CSS property to change the border of an element to Yxy 47.6494, 0.2924, 0.3159 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(170, 186, 196) }
```

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

```
.border{ border-color:rgb(170, 186, 196) }
```

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

Here you see how a box with a 4 pixel rgb(170, 186, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 186, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 186, 196);  
box-shadow:4px 4px 4px 4px rgb(170, 186,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6494, 0.2924, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 186, 196) }
```

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

```
.background{ background-color: rgb(170,  
186, 196) }
```

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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