

Converting Colors

$Yxy(47.3131, 0.2700, 0.2992)$

Have a look what the booklet for
Yxy(47.3131, 0.2700, 0.2992)
contains.

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Color

Yxy(47.3919, 0.2706, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	99BCD2
RGB	153, 188, 210
RGB Percent	60%, 74%, 82%
CMY	0.3998, 0.2628, 0.1764
CMYK	0.27, 0.10, 0.00, 0.18
HSL	203°, 39%, 71%
HSV	203°, 27%, 82%
XYZ	42.7617, 47.3919, 67.8720
YIQ	180.0430, -27.9220, -0.5780

Conversions

Conversions Part 2

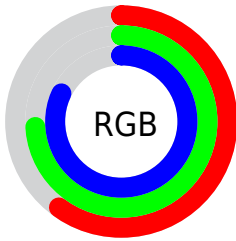
Format	Color
R _{YB}	153, 175, 210
Decimal	10075346
CIE _{Lab}	74.44, -6.70, -14.92
CIE _{LCh}	74, 16.352, 245.812
Yxy	47.3919, 0.2706, 0.2999
Android (android.graphics.Color)	4288265426 (0xFF99BCD2)
YUV	180.0430, 14.7688, -23.7167
Hunter-Lab	68.8418, -9.5961, -10.2656

Details

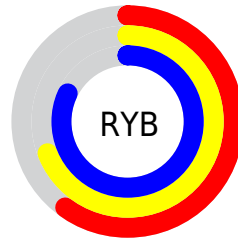
The Yxy color $47.3919, 0.2706, 0.2999$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $46.6957, 0.3639, 0.3563$, and the grayscale version is $45.6032, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3313, 0.2843, 0.3175$, and $22.4376, 0.2584, 0.2911$ is the 20% darker color. If you saturate the color by 10%, you get $42.1538, 0.2552, 0.2873$, and if you desaturate by 10%, it is $53.1887, 0.2862, 0.3115$.

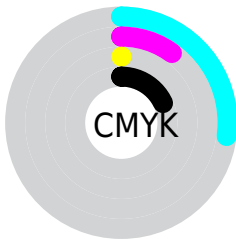
Distribution



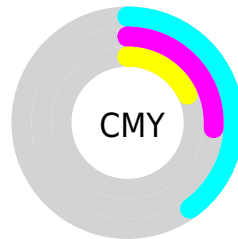
- Red (60%)
- Green (74%)
- Blue (82%)



- Red (60%)
- Yellow (69%)
- Blue (82%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)





- Cyan (40%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3919, 0.2706, 0.2999 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 47.3919, 0.2706, 0.2999 by changing the saturation by 10% instead.


 47.3919, 0.2706,
0.2999

 47.3919, 0.2706,
0.2999

376.3767, 0.2913,
0.3145

 33.3456, 0.2656,
0.2962


 86.2983, 0.2780,
0.3052

 22.3913, 0.2591,
0.2915


 111.9272, 0.2809,
0.3072

 14.1447, 0.2507,
0.2853


142.1857, 0.2832,
0.3089

 8.2214, 0.2393,
0.2766

177.4582, 0.2853,
0.3104

 4.2369, 0.2228,
0.2637

218.1292, 0.2871,
0.3116

 1.8070, 0.1972,
0.2428

264.5830, 0.2887,

 0.4915, 0.1208,

0.3127

0.1956

317.2040, 0.2901,
0.3137

0.0000, 0.0000,
0.0000

47.3919, 0.2706,
0.2999

47.3919, 0.2706,
0.2999

42.1538, 0.2552,
0.2873

53.1887, 0.2862,
0.3115

37.4467, 0.2405,
0.2737

59.5590, 0.3018,
0.3221

33.2487, 0.2268,
0.2594

66.5242, 0.3171,
0.3316

29.5336, 0.2145,
0.2446

74.1025, 0.3318,
0.3401

26.2722, 0.2040,
0.2296

81.7256, 0.3437,
0.3478

■ 23.4308, 0.1957,
0.2146

■ 86.3142, 0.3424,
0.3557

■ 20.9655, 0.1894,
0.2001

■ 91.1157, 0.3410,
0.3635

■ 20.3039, 0.1878,
0.1959

■ 96.1327, 0.3397,
0.3711

■ 97.4336, 0.3394,
0.3730

Harmonies

Analogous

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



47.3919, 0.2712, 0.3166



47.3919, 0.2706, 0.2999



47.3919, 0.2807, 0.2916

Triad

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



47.3919, 0.2706, 0.2999



47.3919, 0.3434, 0.3196



47.3919, 0.3248, 0.3682

Complementary

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



47.3919, 0.2706, 0.2999



46.6957, 0.3639, 0.3563

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.



47.3919, 0.3449, 0.3675



47.3919, 0.2706, 0.2999



47.3919, 0.3561, 0.3388

Square

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



47.3919, 0.2706, 0.2999



47.3919, 0.3225, 0.3031



47.3919, 0.3565, 0.3564



47.3919, 0.3020, 0.3572

Rectangle

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



47.3919, 0.2706, 0.2999



47.3919, 0.2925, 0.2915



47.3919, 0.3565, 0.3564



47.3919, 0.3321, 0.3693

Sweetspot

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



47.3938, 0.2706, 0.2999



91.4044, 0.3003, 0.3211



55.9669, 0.2950, 0.3759



19.2328, 0.2979, 0.3196



0.0000, 0.0000, 0.0000



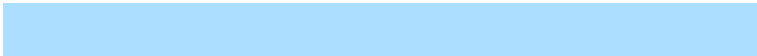
21.4041, 0.3127, 0.3290

Same Dimension

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



47.3938, 0.2706, 0.2999



68.3501, 0.2609, 0.2921



36.4707, 0.2668, 0.2608



12.6074, 0.2983, 0.3198



12.5840, 0.1884, 0.1980



0.8550, 0.1958, 0.2247

Inverse Universe

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



40.1354, 0.3361, 0.2866



55.6280, 0.3431, 0.2765



58.8896, 0.3553, 0.3891



11.9284, 0.3196, 0.3148



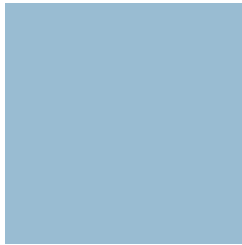
9.3416, 0.4475, 0.2239



0.5376, 0.4182, 0.2078

Previews

White Background



This preview shows how the Yxy color 47.3919, 0.2706, 0.2999 looks on a white background.

Color Contrast Check

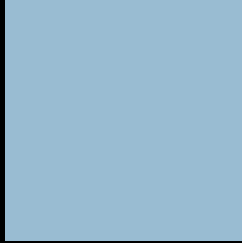
Large Text (above 18pt) WCAG AA × Fail

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 47.3919, 0.2706, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

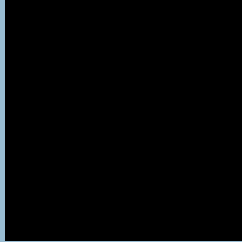
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

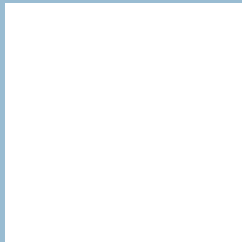
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3919, 0.2706, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 47.3919, 0.2706, 0.2999.



This preview shows how white text looks on a background with the Yxy color 47.3919, 0.2706, 0.2999.

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

47.3919, 0.2706, 0.2999

Protanopia

47.0877, 0.2920, 0.2973

Deuteranopia

47.0334, 0.2932, 0.2869



Tritanopia

47.4302, 0.2738, 0.3089

Trichromacy



Original Color

47.3919, 0.2706, 0.2999

Protanomaly

47.3320, 0.2845, 0.2994

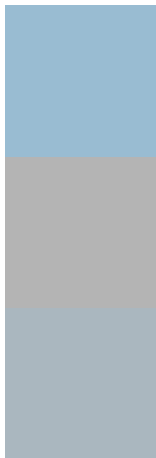
Deuteranomaly

47.1577, 0.2846, 0.2922

Tritanomaly

47.5268, 0.2726, 0.3063

Monochromacy



Original Color

47.3919, 0.2706, 0.2999

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.1746, 0.2959, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3919, 0.2706, 0.2999 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(153, 188, 210)` looks like.

```
.text, #text, p{  
    color:rgb(153, 188, 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(153, 188, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 188, 210) }
```

Border

The CSS property to change the border of an element to Yxy 47.3919, 0.2706, 0.2999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

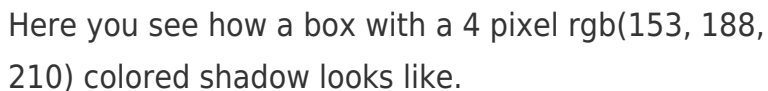
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 188, 210) }
```

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

```
.border{ border-color:rgb(153, 188, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 188, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 188, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 188, 210); box-shadow:4px 4px 4px 4px rgb(153, 188, 210) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3919, 0.2706, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 188, 210) }
```

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

```
.background{ background-color: rgb(153,  
188, 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](#).

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