

Converting Colors

$Yxy(47.5857, 0.2743, 0.3089)$

Have a look what the booklet for
Yxy(47.5857, 0.2743, 0.3089)
contains.

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Color

Yxy(47.5271, 0.2745, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	99BDCC
RGB	153, 189, 204
RGB Percent	60%, 74%, 80%
CMY	0.4001, 0.2588, 0.1998
CMYK	0.25, 0.07, 0.00, 0.20
HSL	198°, 33%, 70%
HSV	198°, 25%, 80%
XYZ	42.2343, 47.5271, 64.0977
YIQ	179.9460, -26.2710, -2.9670

Conversions

Conversions Part 2

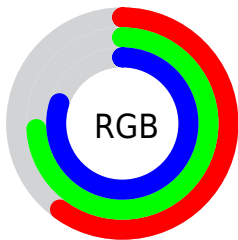
Format	Color
R _{YB}	153, 174, 204
Decimal	10075596
CIE _{Lab}	74.53, -8.65, -11.54
CIE _{LCh}	75, 14.424, 233.142
Yxy	47.5271, 0.2745, 0.3089
Android (android.graphics.Color)	4288265676 (0xFF99BDCC)
YUV	179.9460, 11.8586, -23.6316
Hunter-Lab	68.9399, -11.2912, -6.8677

Details

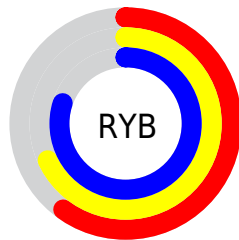
The Yxy color **47.5271, 0.2745, 0.3089** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.1537, 0.3604, 0.3482**, and the grayscale version is **45.5573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9347, 0.2843, 0.3185**, and **22.5770, 0.2644, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **43.1790, 0.2598, 0.2996**, and if you desaturate by 10%, it is **52.3256, 0.2897, 0.3175**.

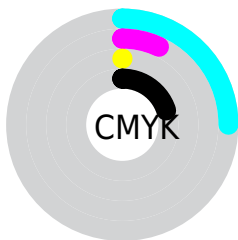
Distribution



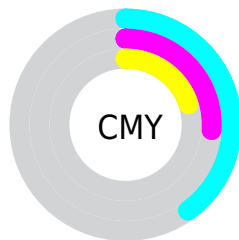
- Red (60%)
- Green (74%)
- Blue (80%)



- Red (60%)
- Yellow (68%)
- Blue (80%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (40%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5271, 0.2745, 0.3089 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 47.5271, 0.2745, 0.3089 by changing the saturation by 10% instead.

 47.5271, 0.2745,
0.3089


 47.5271, 0.2745,
0.3089


376.9146, 0.2933,
0.3191

 33.4525, 0.2699,
0.3063


 86.4999, 0.2813,
0.3126

 22.4733, 0.2641,
0.3030


 112.1669, 0.2838,
0.3140

 14.2051, 0.2564,
0.2985


142.4669, 0.2860,
0.3152

 8.2635, 0.2459,
0.2921

177.7842, 0.2879,
0.3162

 4.2640, 0.2306,
0.2826

218.5032, 0.2895,
0.3171

 1.8223, 0.2067,
0.2668

265.0083, 0.2909,

 0.5010, 0.1220,

0.3179

0.2306

317.6840, 0.2922,
0.3185

0.0000, 0.0000,
0.0000

47.5271, 0.2745,
0.3089

47.5271, 0.2745,
0.3089

43.1790, 0.2598,
0.2996

52.3256, 0.2897,
0.3175

39.2570, 0.2459,
0.2896

57.5860, 0.3050,
0.3254

35.7429, 0.2331,
0.2791

63.3266, 0.3203,
0.3324

32.6147, 0.2218,
0.2682

69.5626, 0.3352,
0.3388

29.8477, 0.2124,
0.2570

76.3083, 0.3497,
0.3444

■ 27.4134, 0.2049,
0.2459

■ 79.5011, 0.3485,
0.3504

■ 25.2775, 0.1993,
0.2349

■ 82.8082, 0.3474,
0.3563

■ 24.2944, 0.1971,
0.2294

■ 86.2308, 0.3462,
0.3621

■ 89.7700, 0.3451,
0.3679

Harmonies

Analogous

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



47.5271, 0.2792, 0.3259



47.5271, 0.2745, 0.3089



47.5271, 0.2796, 0.2981

Triad

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



47.5271, 0.2745, 0.3089



47.5271, 0.3326, 0.3140



47.5271, 0.3315, 0.3645

Complementary

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



47.5271, 0.2745, 0.3089



43.1537, 0.3604, 0.3482

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.



47.5271, 0.3466, 0.3599



47.5271, 0.2745, 0.3089



47.5271, 0.3473, 0.3306

Square

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



47.5271, 0.2745, 0.3089



47.5271, 0.3127, 0.3014



47.5271, 0.3525, 0.3472



47.5271, 0.3118, 0.3589

Rectangle

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



47.5271, 0.2745, 0.3089



47.5271, 0.2880, 0.2954



47.5271, 0.3525, 0.3472



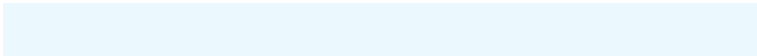
47.5271, 0.3373, 0.3640

Sweetspot

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



47.5290, 0.2745, 0.3089



92.5611, 0.3003, 0.3230



52.7812, 0.2997, 0.3789



19.5249, 0.2980, 0.3218



0.0000, 0.0000, 0.0000



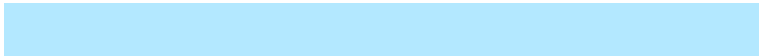
21.4041, 0.3127, 0.3290

Same Dimension

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



47.5290, 0.2745, 0.3089



74.7241, 0.2665, 0.3040



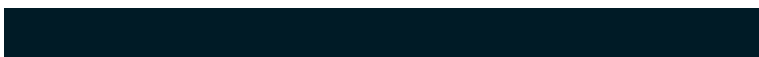
37.6991, 0.2715, 0.2742



12.1473, 0.2983, 0.3220



15.4529, 0.1975, 0.2310



0.9248, 0.2034, 0.2524

Inverse Universe

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



39.2939, 0.3293, 0.2845



59.1532, 0.3338, 0.2747



53.2716, 0.3532, 0.3784



11.3452, 0.3182, 0.3128



9.3630, 0.4116, 0.2041



0.4959, 0.3899, 0.1921

Previews

White Background



This preview shows how the Yxy color 47.5271, 0.2745, 0.3089 looks on a white background.

Color Contrast Check

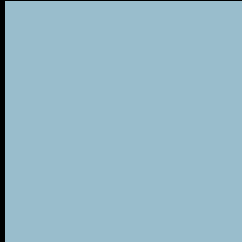
Large Text (above 18pt) WCAG AA × Fail

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 47.5271, 0.2745, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

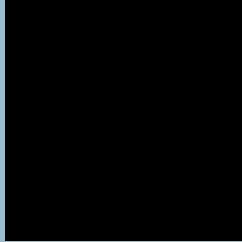
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

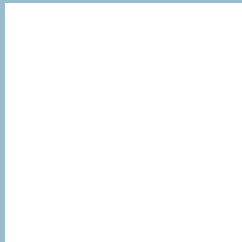
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.5271, 0.2745, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 47.5271, 0.2745, 0.3089.



This preview shows how white text looks on a background with the Yxy color 47.5271, 0.2745, 0.3089.

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

47.5271, 0.2745, 0.3089

Protanopia

47.4032, 0.2988, 0.3073

Deuteranopia

47.2442, 0.3009, 0.2943



Tritanopia

47.5271, 0.2745, 0.3089

Trichromacy



Original Color

47.5271, 0.2745, 0.3089

Protanomaly

47.5729, 0.2895, 0.3082

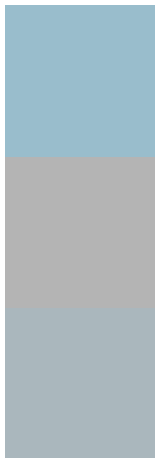
Deuteranomaly

47.2108, 0.2912, 0.2997

Tritanomaly

47.5271, 0.2745, 0.3089

Monochromacy



Original Color

47.5271, 0.2745, 0.3089

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0871, 0.2974, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5271, 0.2745, 0.3089 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, 189, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 204)  
}
```

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, 189, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 204) }
```

Border

The CSS property to change the border of an element to Yxy 47.5271, 0.2745, 0.3089 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, 189, 204) }
```

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

```
.border{ border-color:rgb(153, 189, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5271, 0.2745, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 204) }
```

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

```
.background{ background-color: rgb(153,  
189, 204) }
```

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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