

Converting Colors

$Y_{xy}(47.6279, 0.2770, 0.3181)$

Have a look what the booklet for
Yxy(47.6279, 0.2770, 0.3181)
contains.

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Color

Yxy(47.4834, 0.2772, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	97BEC6
RGB	151, 190, 198
RGB Percent	59%, 75%, 78%
CMY	0.4076, 0.2549, 0.2235
CMYK	0.24, 0.04, 0.00, 0.22
HSL	190°, 29%, 68%
HSV	190°, 24%, 78%
XYZ	41.3782, 47.4834, 60.4103
YIQ	179.2510, -25.8120, -5.7800

Conversions

Conversions Part 2

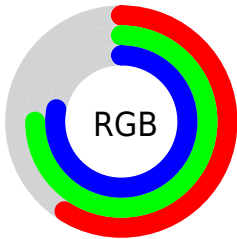
Format	Color
RYB	151, 172, 198
Decimal	9944774
CIELab	74.50, -11.13, -8.31
CIELCh	74, 13.889, 216.753
Yxy	47.4834, 0.2772, 0.3181
Android (android.graphics.Color)	4288134854 (0xFF97BEC6)
YUV	179.2510, 9.2433, -24.7761
Hunter-Lab	68.9082, -13.4032, -3.7425

Details

The Yxy color **47.4834, 0.2772, 0.3181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0668, 0.3590, 0.3396**, and the grayscale version is **45.1876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2533, 0.2832, 0.3195**, and **22.5576, 0.2678, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **44.2989, 0.2633, 0.3129**, and if you desaturate by 10%, it is **51.0239, 0.2919, 0.3230**.

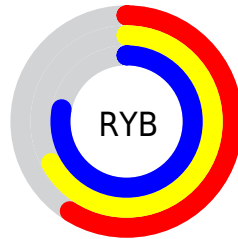
Distribution



Red (59%)

Green (75%)

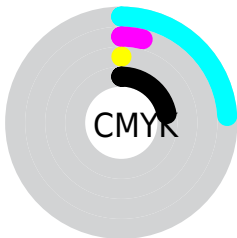
Blue (78%)



Red (59%)

Yellow (67%)

Blue (78%)

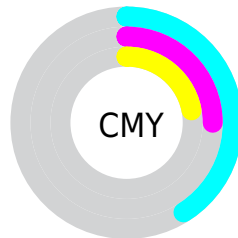


Cyan (24%)

Magenta (4%)

Yellow (0%)

Black (22%)



Cyan (41%)

Magenta (25%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4834, 0.2772, 0.3181 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 47.4834, 0.2772, 0.3181 by changing the saturation by 10% instead.

■ 47.4834, 0.2772,
0.3181

■ 47.4834, 0.2772,
0.3181

■ 376.7408, 0.2947,
0.3238

■ 33.4180, 0.2729,
0.3166

■ 86.4347, 0.2835,
0.3202

■ 22.4468, 0.2674,
0.3147

■ 112.0894, 0.2859,
0.3210

■ 14.1856, 0.2602,
0.3121

■ 142.3760, 0.2879,
0.3216

■ 8.2499, 0.2504,
0.3083

■ 177.6788, 0.2897,
0.3222

■ 4.2552, 0.2360,
0.3025

■ 218.3823, 0.2912,
0.3227

■ 1.8173, 0.2131,
0.2924

■ 264.8709, 0.2925,

■ 0.4979, 0.1101,

0.3231

0.2719

317.5289, 0.2937,
0.3234

0.0000, 0.0000,
0.0000

47.4834, 0.2772,
0.3181

47.4834, 0.2772,
0.3181

44.2989, 0.2633,
0.3129

51.0239, 0.2919,
0.3230

41.4486, 0.2505,
0.3073

54.9296, 0.3070,
0.3275

38.9168, 0.2391,
0.3015

59.2166, 0.3224,
0.3315

36.6844, 0.2293,
0.2955

63.8981, 0.3377,
0.3352

34.7299, 0.2214,
0.2893

68.9867, 0.3528,
0.3384

■ 33.0285, 0.2154,
0.2832

■ 71.5642, 0.3560,
0.3417

■ 31.5504, 0.2112,
0.2771

■ 73.2538, 0.3552,
0.3451

■ 30.6993, 0.2093,
0.2733

■ 74.9790, 0.3545,
0.3486

■ 76.7399, 0.3538,
0.3519

Harmonies

Analogous

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



47.4834, 0.2866, 0.3360



47.4834, 0.2772, 0.3181



47.4834, 0.2769, 0.3040

Triad

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



47.4834, 0.2772, 0.3181



47.4834, 0.3217, 0.3073



47.4834, 0.3396, 0.3619

Complementary

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



47.4834, 0.2772, 0.3181



39.0668, 0.3590, 0.3396

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.



47.4834, 0.3497, 0.3529



47.4834, 0.2772, 0.3181



47.4834, 0.3392, 0.3216

Square

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



47.4834, 0.2772, 0.3181



47.4834, 0.3021, 0.2984



47.4834, 0.3496, 0.3381



47.4834, 0.3225, 0.3619

Rectangle

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



47.4834, 0.2772, 0.3181



47.4834, 0.2820, 0.2985



47.4834, 0.3496, 0.3381



47.4834, 0.3440, 0.3597

Sweetspot

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



47.4853, 0.2772, 0.3181



94.8414, 0.3018, 0.3260



49.4741, 0.3042, 0.3837



20.2082, 0.3009, 0.3257



0.0000, 0.0000, 0.0000



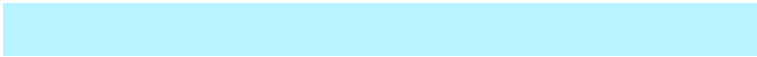
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4853, 0.2772, 0.3181



81.3489, 0.2705, 0.3157



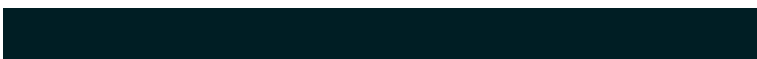
38.1957, 0.2746, 0.2855



11.7475, 0.2984, 0.3250



20.0741, 0.2095, 0.2741



1.0342, 0.2130, 0.2868

Inverse Universe

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



37.8786, 0.3228, 0.2800



61.8347, 0.3252, 0.2701



47.8449, 0.3523, 0.3690



10.7843, 0.3163, 0.3101



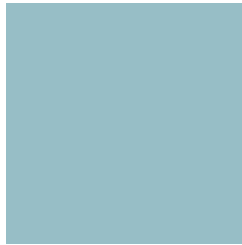
9.5665, 0.3689, 0.1806



0.4614, 0.3573, 0.1742

Previews

White Background



This preview shows how the Yxy color 47.4834, 0.2772, 0.3181 looks on a white background.

Color Contrast Check

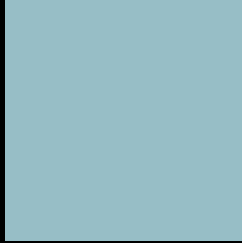
Large Text (above 18pt) WCAG AA × Fail

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 47.4834, 0.2772, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

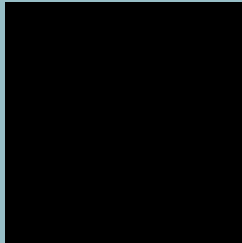
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

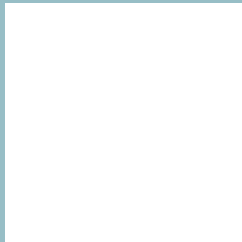
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4834, 0.2772, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 47.4834, 0.2772, 0.3181.



This preview shows how white text looks on a background with the Yxy color 47.4834, 0.2772, 0.3181.

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

47.4834, 0.2772, 0.3181

Protanopia

47.3734, 0.3050, 0.3149

Deuteranopia

47.2643, 0.3064, 0.3005



Tritanopia

47.4302, 0.2738, 0.3089

Trichromacy



Original Color

47.4834, 0.2772, 0.3181

Protanomaly

47.2960, 0.2938, 0.3159

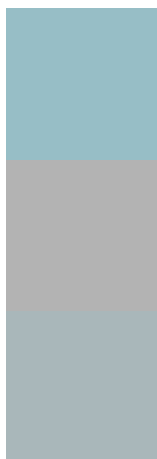
Deuteranomaly

46.9731, 0.2949, 0.3059

Tritanomaly

47.3349, 0.2751, 0.3115

Monochromacy



Original Color

47.4834, 0.2772, 0.3181

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.8472, 0.2988, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4834, 0.2772, 0.3181 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(151, 190, 198)` looks like.

```
.text, #text, p{  
    color:rgb(151, 190, 198)  
}
```

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(151, 190, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 190, 198) }
```

Border

The CSS property to change the border of an element to Yxy 47.4834, 0.2772, 0.3181 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(151, 190, 198) }
```

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

```
.border{ border-color:rgb(151, 190, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 190, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 190, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 190, 198); box-shadow:4px 4px 4px 4px rgb(151, 190, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4834, 0.2772, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 190, 198) }
```

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

```
.background{ background-color: rgb(151,  
190, 198) }
```

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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