

# Converting Colors

$Y_{xy}(47.9755, 0.2777, 0.2965)$

Have a look what the booklet for  
Yxy(47.9755, 0.2777, 0.2965)  
contains.

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# Color

**Yxy(47.8706, 0.2775, 0.2955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5BAD4
RGB	165, 186, 212
RGB Percent	65%, 73%, 83%
CMY	0.3531, 0.2705, 0.1685
CMYK	0.22, 0.12, 0.00, 0.17
HSL	213°, 35%, 74%
HSV	213°, 22%, 83%
XYZ	44.9546, 47.8706, 69.1734
YIQ	182.6850, -20.8620, 3.6340

# Conversions

## Conversions Part 2

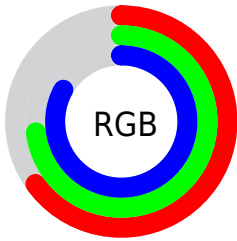
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 180, 212
Decimal	10861268
CIELab	74.74, -1.57, -15.48
CIElCh	75, 15.557, 264.216
Yxy	47.8706, 0.2775, 0.2955
Android (android.graphics.Color)	4289051348 (0xFFA5BAD4)
YUV	182.6850, 14.4523, -15.5097
Hunter-Lab	69.1886, -5.1013, -10.8450

# Details

The Yxy color **47.8706, 0.2775, 0.2955** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.9625, 0.3510, 0.3603**, and the grayscale version is **47.0980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0964, 0.2919, 0.3157**, and **22.6541, 0.2679, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **41.0485, 0.2608, 0.2778**, and if you desaturate by 10%, it is **55.4783, 0.2938, 0.3116**.

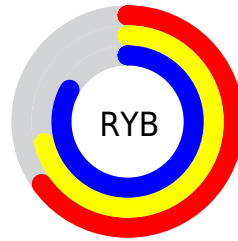
# Distribution



Red (65%)

Green (73%)

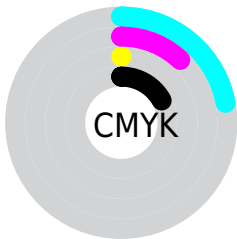
Blue (83%)



Red (65%)

Yellow (71%)

Blue (83%)

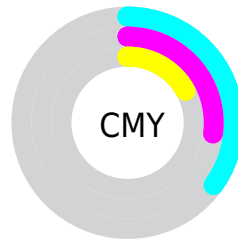


Cyan (22%)

Magenta (12%)

Yellow (0%)

Black (17%)



Cyan (35%)

Magenta (27%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8706, 0.2775, 0.2955 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 47.8706, 0.2775, 0.2955 by changing the saturation by 10% instead.



■ 47.8706, 0.2775,  
0.2955

■ 47.8706, 0.2775,  
0.2955

■ 378.2790, 0.2949,  
0.3121

■ 33.7244, 0.2733,  
0.2914

■ 87.0117, 0.2837,  
0.3015

■ 22.6820, 0.2679,  
0.2862

■ 112.7754, 0.2861,  
0.3038

■ 14.3589, 0.2608,  
0.2793

■ 143.1805, 0.2881,  
0.3057

■ 8.3707, 0.2510,  
0.2699

■ 178.6112, 0.2898,  
0.3073

■ 4.3330, 0.2370,  
0.2561

■ 219.4520, 0.2913,  
0.3088

■ 1.8616, 0.2150,  
0.2344

■ 266.0873, 0.2927,

■ 0.5251, 0.1636,

0.3100

0.1864

318.9015, 0.2938,  
0.3111

0.0000, 0.0000,  
0.0000

47.8706, 0.2775,  
0.2955

47.8706, 0.2775,  
0.2955

41.0485, 0.2608,  
0.2778

55.4783, 0.2938,  
0.3116

34.9779, 0.2440,  
0.2585

63.8924, 0.3094,  
0.3260

29.6306, 0.2276,  
0.2380

73.1401, 0.3241,  
0.3389

24.9741, 0.2122,  
0.2167

83.2453, 0.3379,  
0.3502

20.9726, 0.1984,  
0.1950

91.0760, 0.3398,  
0.3613

■ 17.5865, 0.1867,  
0.1738

■ 97.5347, 0.3381,  
0.3710

■ 14.7694, 0.1775,  
0.1537

■ 12.9134, 0.1720,  
0.1391

# Harmonies

## Analogous

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



47.8706, 0.2717, 0.3068



47.8706, 0.2775, 0.2955



47.8706, 0.2926, 0.2932

# Triad

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



47.8706, 0.2775, 0.2955



47.8706, 0.3504, 0.3313



47.8706, 0.3108, 0.3609

# Complementary

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



47.8706, 0.2775, 0.2955



53.9625, 0.3510, 0.3603

# 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.



47.8706, 0.3322, 0.3672



47.8706, 0.2775, 0.2955



47.8706, 0.3555, 0.3491

# Square

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



47.8706, 0.2775, 0.2955



47.8706, 0.3348, 0.3135



47.8706, 0.3487, 0.3625



47.8706, 0.2905, 0.3450



# Rectangle

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



47.8706, 0.2775, 0.2955



47.8706, 0.3061, 0.2967



47.8706, 0.3487, 0.3625



47.8706, 0.3181, 0.3642

# Sweetspot

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



47.8725, 0.2775, 0.2955



90.6374, 0.3019, 0.3192



58.8484, 0.2931, 0.3560



19.2336, 0.3009, 0.3183



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.



47.8725, 0.2775, 0.2955



67.2791, 0.2690, 0.2867



39.8978, 0.2773, 0.2677



12.9143, 0.2982, 0.3158



8.1637, 0.1727, 0.1417



0.6562, 0.1820, 0.1751



# Inverse Universe

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



44.4404, 0.3380, 0.3037



61.4483, 0.3455, 0.2976



63.4676, 0.3441, 0.3844



12.5122, 0.3222, 0.3186



9.1690, 0.5168, 0.2621

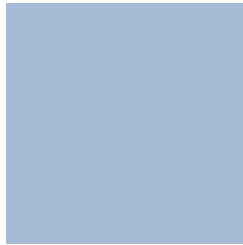


0.5696, 0.4745, 0.2387



# Previews

## White Background



This preview shows how the Yxy color 47.8706, 0.2775, 0.2955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

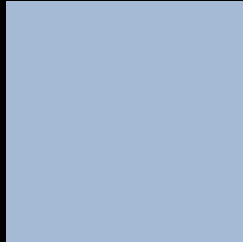
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.8706, 0.2775, 0.2955 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

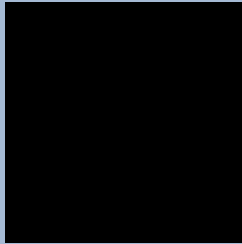
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

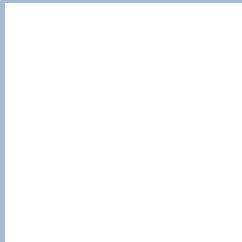
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.8706, 0.2775, 0.2955**

## Background



This preview shows how black text looks on a background with the Yxy color 47.8706, 0.2775, 0.2955.



This preview shows how white text looks on a background with the Yxy color 47.8706, 0.2775, 0.2955.

# 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

47.8706, 0.2775, 0.2955

### Protanopia

47.6927, 0.2892, 0.2938

### Deuteranopia

47.6091, 0.2932, 0.2871



## Tritanopia

48.0648, 0.2823, 0.3093

# Trichromacy



## Original Color

47.8706, 0.2775, 0.2955

## Protanomaly

47.5688, 0.2847, 0.2935

## Deuteranomaly

47.8437, 0.2871, 0.2902

## Tritanomaly

47.8894, 0.2809, 0.3042

# Monochromacy



## Original Color

47.8706, 0.2775, 0.2955

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.4061, 0.2985, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.8706, 0.2775, 0.2955 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(165, 186, 212)` looks like.

```
.text, #text, p{  
    color:rgb(165, 186, 212)  
}
```

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(165, 186, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 186, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 47.8706, 0.2775, 0.2955 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(165, 186, 212) }
```

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

```
.border{ border-color:rgb(165, 186, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 186, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 186, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 186, 212);  
box-shadow:4px 4px 4px 4px rgb(165, 186,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.8706, 0.2775, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 186, 212) }
```

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

```
.background{ background-color: rgb(165,  
186, 212) }
```

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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